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<input type="checkbox"/>	L4	L2 and stomach	0
<input type="checkbox"/>	L3	l1 same stomach	0
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END OF SEARCH HISTORY

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OM protein - protein search, using sw model

Run on: August 21, 2006, 20:23:06 ; Search time 34 Seconds
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815.043 Million cell updates/sec

Perfect score: 2109
Sequence: 1 MEGESTSAVLGSFVLGALAF.....TDEIEKMGFGYRSPTF 409

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 243793 seqs, 67754213 residues

Total number of hits satisfying chosen parameters: 243793

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Database : Published Applications AA New:
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score greater than or equal to the score of the result being printed,
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SUMMARIES

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5	160.5	7.6	324	6	US-10-953-349-7527
6	128	6.1	446	6	US-10-449-902-36916
7	124.5	5.9	972	6	US-10-480-962-4
8	122	5.8	3113	6	US-10-505-928-325
9	121	5.7	348	6	US-10-449-902-48340
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14	114	5.4	1828	7	US-11-056-355B-95486
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17	114	5.4	2008	7	US-11-056-355B-91728
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19	114	5.4	2041	7	US-11-056-355B-98565
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21	114	5.4	2054	7	US-11-056-355B-98564
22	114	5.4	2054	7	US-11-056-355B-109803
23	114	5.4	2073	7	US-11-056-355B-98563
24	114	5.4	2073	7	US-11-056-355B-109802
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32	110	5.2	2031	7	US-11-056-355B-80732	Sequence 80732, A
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34	109	5.2	512	7	US-11-056-355B-10071	Sequence 10071, A
35	109	5.2	566	6	US-10-564-458-12	Sequence 12, Appl
36	107.5	5.1	1080	7	US-11-216-721-2	Sequence 2, Appl
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38	106	5.0	540	6	US-10-449-902-51440	Sequence 51440, A
39	106	5.0	895	6	US-10-471-571A-922	Sequence 922, App
40	106	5.0	980	7	US-11-289-102-296	Sequence 296, App
41	104.5	5.0	568	6	US-10-564-458-7	Sequence 7, Appl
42	104.5	5.0	570	6	US-10-564-458-27	Sequence 27, Appl
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71	102	4.8	866	7	US-11-056-355B-96899	Sequence 96899, A
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77	101.5	4.8	1863	6	US-10-480-434A-16	Sequence 16, Appl
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86	100.5	4.8	568	6	US-10-564-458-58	Sequence 58, Appl
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112	98.5	4.7	565	6	US-10-564-458-11	Sequence 11, Appl	185	94.5	4.5	644	6	US-10-564-458-106	Sequence 106, App
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116	98.5	4.7	568	6	US-10-564-458-19	Sequence 19, Appl	189	94.5	4.5	788	7	US-11-293-697-4150	Sequence 4150, Ap
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134	97.5	4.6	349	6	US-10-449-902-39973	Sequence 39973, A	207	94	4.5	857	7	US-11-056-355B-70345	Sequence 70345, A
135	97.5	4.6	565	6	US-10-564-458-16	Sequence 16, Appl	208	94	4.5	898	7	US-11-121-133-260	Sequence 260, App
136	97.5	4.6	651	6	US-10-953-349-8126	Sequence 8126, Ap	209	94	4.5	931	7	US-11-056-355B-70344	Sequence 70344, A
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171	95.5	4.5	1939	7	US-11-043-824-340	Sequence 340, App	244	92.5	4.4	656	6	US-10-449-902-37690	Sequence 37690, A
172	95.5	4.5	1939	7	US-11-043-824-391	Sequence 391, App	245	92.5	4.4	726	7	US-10-334-351-2	Sequence 2, Appli
173	95	4.5	467	6	US-10-953-349-28705	Sequence 28705, A	246	92	4.4	404	6	US-10-953-349-13523	Sequence 13523, A
174	95	4.5	467	7	US-11-056-355B-68552	Sequence 68552, A	247	92	4.4	433	6	US-10-471-571A-5466	Sequence 5466, Ap

248	92	4.4	448	6	US-10-953-349-13522	Sequence 13522, A	321	89.5	4.2	243	7	US-11-056-355B-55150	Sequence 55150, A
249	92	4.4	464	7	US-11-301-554-1906	Sequence 1906, Ap	322	89.5	4.2	256	7	US-11-056-355B-8403	Sequence 8403, Ap
250	92	4.4	481	6	US-10-564-458-42	Sequence 42, Appl	323	89.5	4.2	295	7	US-11-056-355B-55149	Sequence 55149, A
251	92	4.4	579	6	US-10-449-902-48211	Sequence 48211, A	324	89.5	4.2	360	6	US-10-953-349-25710	Sequence 25710, A
252	92	4.4	602	7	US-11-056-355B-49738	Sequence 49738, A	325	89.5	4.2	669	6	US-10-449-902-46360	Sequence 46360, A
253	92	4.4	624	7	US-11-056-355B-72311	Sequence 72311, A	326	89.5	4.2	731	6	US-10-539-228-325	Sequence 325, App
254	92	4.4	628	7	US-11-056-355B-72310	Sequence 72310, A	327	89.5	4.2	777	6	US-10-953-349-6187	Sequence 6187, Ap
255	92	4.4	662	7	US-11-056-355B-49737	Sequence 49737, A	328	89.5	4.2	849	6	US-10-953-349-6186	Sequence 6186, Ap
256	92	4.4	684	6	US-10-449-902-37623	Sequence 37623, A	329	89.5	4.2	872	6	US-10-953-349-6185	Sequence 6185, Ap
257	92	4.4	694	6	US-10-449-902-55429	Sequence 55429, A	330	89.5	4.2	880	6	US-10-540-898-956	Sequence 956, App
258	92	4.4	726	7	US-11-056-355B-49736	Sequence 49736, A	331	89.5	4.2	992	7	US-11-056-355B-85513	Sequence 85513, A
259	92	4.4	829	7	US-11-056-355B-46528	Sequence 46528, A	332	89.5	4.2	1026	7	US-11-056-355B-85512	Sequence 85512, A
260	92	4.4	829	7	US-11-056-355B-47945	Sequence 47945, A	333	89.5	4.2	1029	7	US-11-056-355B-85511	Sequence 85511, A
261	92	4.4	829	7	US-11-056-355B-48037	Sequence 48037, A	334	89.5	4.2	1087	6	US-10-486-020-15	Sequence 15, Appl
262	91.5	4.3	446	6	US-10-564-458-1	Sequence 1, Appl	335	89.5	4.2	1194	7	US-11-045-540-2	Sequence 2, Appl
263	91.5	4.3	447	6	US-10-564-458-5	Sequence 5, Appl	336	89.5	4.2	1237	7	US-11-045-540-4	Sequence 4, Appl
264	91.5	4.3	513	7	US-11-330-403-6916	Sequence 6916, Ap	337	89.5	4.2	2478	6	US-10-471-571A-2278	Sequence 2278, Ap
265	91.5	4.3	533	7	US-11-056-355B-3956	Sequence 3956, Ap	338	89	4.2	344	6	US-10-449-902-36226	Sequence 36226, A
266	91.5	4.3	533	7	US-11-056-355B-17418	Sequence 17418, A	339	89	4.2	469	6	US-10-471-571A-2918	Sequence 2918, Ap
267	91.5	4.3	564	6	US-10-471-571A-5566	Sequence 5566, Ap	340	89	4.2	636	6	US-10-953-349-37907	Sequence 37907, A
268	91.5	4.3	655	6	US-10-539-228-328	Sequence 328, App	341	89	4.2	636	6	US-10-471-571A-2534	Sequence 2534, Ap
269	91.5	4.3	712	7	US-11-056-355B-46529	Sequence 46529, A	342	89	4.2	744	7	US-11-056-355B-96578	Sequence 96578, A
270	91.5	4.3	712	7	US-11-056-355B-47946	Sequence 47946, A	343	89	4.2	796	6	US-10-449-902-54391	Sequence 54391, A
271	91.5	4.3	712	7	US-11-056-355B-48038	Sequence 48038, A	344	89	4.2	878	7	US-11-056-355B-44317	Sequence 44317, A
272	91.5	4.3	877	7	US-11-056-355B-90781	Sequence 90781, A	345	89	4.2	878	7	US-11-056-355B-50343	Sequence 50343, A
273	91.5	4.3	877	7	US-11-056-355B-94537	Sequence 94537, A	346	89	4.2	878	7	US-11-056-355B-101567	Sequence 101567, A
274	91.5	4.3	915	7	US-11-056-355B-90780	Sequence 90780, A	347	89	4.2	878	7	US-11-056-355B-112806	Sequence 112806, A
275	91.5	4.3	915	7	US-11-056-355B-94536	Sequence 94536, A	348	89	4.2	903	7	US-11-056-355B-44316	Sequence 44316, A
276	91.5	4.3	956	7	US-11-293-697-3037	Sequence 3037, Ap	349	89	4.2	903	7	US-11-056-355B-50342	Sequence 50342, A
277	91.5	4.3	1058	7	US-11-056-355B-90779	Sequence 90779, A	350	89	4.2	903	7	US-11-056-355B-101566	Sequence 101566, A
278	91.5	4.3	1058	7	US-11-056-355B-94535	Sequence 94535, A	351	89	4.2	903	7	US-11-056-355B-112805	Sequence 112805, A
279	91	4.3	777	7	US-11-056-355B-48219	Sequence 48219, A	352	89	4.2	934	7	US-11-056-355B-44315	Sequence 44315, A
280	91	4.3	790	7	US-11-056-355B-89225	Sequence 89225, A	353	89	4.2	934	7	US-11-056-355B-50341	Sequence 50341, A
281	91	4.3	790	7	US-11-056-355B-92981	Sequence 92981, A	354	89	4.2	934	7	US-11-056-355B-101565	Sequence 101565, A
282	91	4.3	1146	6	US-10-471-571A-4478	Sequence 4478, Ap	355	89	4.2	934	7	US-11-056-355B-112804	Sequence 112804, A
283	91	4.3	1202	6	US-10-540-898-193	Sequence 193, App	356	88.5	4.2	242	7	US-11-056-355B-30422	Sequence 30422, A
284	90.5	4.3	202	7	US-11-056-355B-35753	Sequence 35753, A	357	88.5	4.2	242	7	US-11-056-355B-34012	Sequence 34012, A
285	90.5	4.3	202	7	US-11-056-355B-100014	Sequence 100014, A	358	88.5	4.2	242	7	US-11-056-355B-102553	Sequence 102553, A
286	90.5	4.3	202	7	US-11-056-355B-111253	Sequence 111253, A	359	88.5	4.2	242	7	US-11-056-355B-113792	Sequence 113792, A
287	90.5	4.3	292	6	US-10-449-902-37037	Sequence 37037, A	360	88.5	4.2	288	6	US-10-917-844-21	Sequence 21, Appl
288	90.5	4.3	414	6	US-10-449-902-38632	Sequence 38632, A	361	88.5	4.2	304	6	US-10-449-902-43439	Sequence 43439, A
289	90.5	4.3	434	7	US-11-056-355B-45406	Sequence 45406, A	362	88.5	4.2	315	6	US-10-953-349-9896	Sequence 9896, Ap
290	90.5	4.3	434	7	US-11-056-355B-48827	Sequence 48827, A	363	88.5	4.2	350	6	US-10-953-349-9895	Sequence 9895, Ap
291	90.5	4.3	465	7	US-11-056-355B-45405	Sequence 45405, A	364	88.5	4.2	365	7	US-11-056-355B-30421	Sequence 30421, A
292	90.5	4.3	465	7	US-11-056-355B-48826	Sequence 48826, A	365	88.5	4.2	365	7	US-11-056-355B-34011	Sequence 34011, A
293	90.5	4.3	583	7	US-11-056-355B-45404	Sequence 45404, A	366	88.5	4.2	365	7	US-11-056-355B-102552	Sequence 102552, A
294	90.5	4.3	583	7	US-11-056-355B-48825	Sequence 48825, A	367	88.5	4.2	365	7	US-11-056-355B-113791	Sequence 113791, A
295	90.5	4.3	658	7	US-11-056-355B-74159	Sequence 74159, A	368	88.5	4.2	383	7	US-11-056-355B-30420	Sequence 30420, A
296	90.5	4.3	658	7	US-11-056-355B-88315	Sequence 88315, A	369	88.5	4.2	383	7	US-11-056-355B-34010	Sequence 34010, A
297	90.5	4.3	668	7	US-11-056-355B-92071	Sequence 92071, A	370	88.5	4.2	383	7	US-11-056-355B-102551	Sequence 102551, A
298	90.5	4.3	709	7	US-11-056-355B-74158	Sequence 74158, A	371	88.5	4.2	383	7	US-11-056-355B-113790	Sequence 113790, A
299	90.5	4.3	719	7	US-11-056-355B-88314	Sequence 88314, A	372	88.5	4.2	400	7	US-11-293-697-2494	Sequence 2494, Ap
300	90.5	4.3	719	7	US-11-056-355B-92070	Sequence 92070, A	373	88.5	4.2	408	7	US-11-330-403-4486	Sequence 4486, Ap
301	90.5	4.3	822	7	US-11-056-355B-74157	Sequence 74157, A	374	88.5	4.2	471	6	US-10-953-349-19938	Sequence 19938, A
302	90.5	4.3	832	7	US-11-056-355B-88313	Sequence 88313, A	375	88.5	4.2	481	6	US-10-953-349-24508	Sequence 24508, A
303	90.5	4.3	832	7	US-11-056-355B-92069	Sequence 92069, A	376	88.5	4.2	487	6	US-10-953-349-19937	Sequence 19937, A
304	90.5	4.3	1076	7	US-11-056-355B-82339	Sequence 82339, A	377	88.5	4.2	489	6	US-10-953-349-19936	Sequence 19936, A
305	90.5	4.3	1100	7	US-11-056-355B-82338	Sequence 82338, A	378	88.5	4.2	539	6	US-10-953-349-24507	Sequence 24507, A
306	90.5	4.3	1111	7	US-11-056-355B-82337	Sequence 82337, A	379	88.5	4.2	640	6	US-10-953-349-24506	Sequence 24506, A
307	90.5	4.3	1147	6	US-10-540-898-190	Sequence 190, App	380	88.5	4.2	1003	6	US-10-471-571A-4826	Sequence 4826, Ap
308	90	4.3	251	7	US-11-293-697-2936	Sequence 2936, Ap	381	88.5	4.2	1013	7	US-11-056-355B-44874	Sequence 44874, A
309	90	4.3	345	6	US-10-953-349-18626	Sequence 18626, A	382	88.5	4.2	1013	7	US-11-056-355B-49591	Sequence 49591, A
310	90	4.3	421	6	US-10-471-571A-2670	Sequence 2670, Ap	383	88.5	4.2	1029	7	US-11-056-355B-44873	Sequence 44873, A
311	90	4.3	436	6	US-10-449-902-54426	Sequence 54426, A	384	88.5	4.2	1029	7	US-11-056-355B-49590	Sequence 49590, A
312	90	4.3	439	7	US-11-056-355B-101138	Sequence 101138, A	385	88.5	4.2	1037	7	US-11-056-355B-44872	Sequence 44872, A
313	90	4.3	439	7	US-11-056-355B-112377	Sequence 112377, A	386	88.5	4.2	1037	7	US-11-056-355B-49589	Sequence 49589, A
314	90	4.3	655	7	US-11-056-355B-87523	Sequence 87523, A	387	88.5	4.2	1039	7	US-11-056-355B-73017	Sequence 73017, A
315	90	4.3	685	7	US-11-056-355B-87522	Sequence 87522, A	388	88.5	4.2	1055	7	US-11-056-355B-73016	Sequence 73016, A
316	90	4.3	750	6	US-10-953-349-4219	Sequence 4219, Ap	389	88.5	4.2	1063	7	US-11-056-355B-73015	Sequence 73015, A
317	90	4.3	755	6	US-10-953-349-4218	Sequence 4218, Ap	390	88.5	4.2	1143	6	US-10-630-629-1	Sequence 1, Appl
318	90	4.3	764	6	US-10-953-349-4217	Sequence 4217, Ap	391	88	4.2	317	6	US-10-953-349-25712	Sequence 25712, A
319	90	4.3	913	6	US-10-449-902-53721	Sequence 53721, A	392	88	4.2	341	6	US-10-953-349-25711	Sequence 25711, A
320	90	4.3	1674	6	US-10-511-937-2587	Sequence 2587, Ap	393	88	4.2	377	6	US-10-953-349-20587	Sequence 20587, A

394	88	4.2	384	7	US-11-056-355B-73361	Sequence 73361, A	467	86.5	4.1	288	6	US-10-917-844-23	Sequence 23, Appl
395	88	4.2	426	7	US-11-056-355B-5803	Sequence 5803, Ap	468	86.5	4.1	311	6	US-10-953-349-17061	Sequence 17061, A
396	88	4.2	426	7	US-11-056-355B-30686	Sequence 30686, A	469	86.5	4.1	394	7	US-11-293-697-2538	Sequence 2538, Ap
397	88	4.2	426	7	US-11-056-355B-34276	Sequence 34276, A	470	86.5	4.1	472	7	US-11-330-403-7454	Sequence 7454, Ap
398	88	4.2	426	7	US-11-056-355B-77848	Sequence 77848, A	471	86.5	4.1	473	7	US-11-330-403-15105	Sequence 15105, A
399	88	4.2	426	7	US-11-056-355B-100114	Sequence 100114, A	472	86.5	4.1	515	6	US-10-953-349-17060	Sequence 17060, A
400	88	4.2	426	7	US-11-056-355B-111353	Sequence 111353, A	473	86.5	4.1	519	6	US-10-374-780A-1496	Sequence 1496, Ap
401	88	4.2	429	7	US-11-056-355B-5802	Sequence 5802, Ap	474	86.5	4.1	521	7	US-11-056-355B-87524	Sequence 87524, A
402	88	4.2	437	6	US-10-953-349-20586	Sequence 20586, A	475	86.5	4.1	524	7	US-11-330-403-10434	Sequence 10434, A
403	88	4.2	523	7	US-11-056-355B-30685	Sequence 30685, A	476	86.5	4.1	541	6	US-10-953-349-17059	Sequence 17059, A
404	88	4.2	523	7	US-11-056-355B-34275	Sequence 34275, A	477	86.5	4.1	573	6	US-10-449-902-43629	Sequence 43629, A
405	88	4.2	523	7	US-11-056-355B-77847	Sequence 77847, A	478	86.5	4.1	577	7	US-11-056-355B-106476	Sequence 106476, A
406	88	4.2	523	7	US-11-056-355B-100113	Sequence 100113, A	479	86.5	4.1	577	7	US-11-056-355B-11715	Sequence 11715, A
407	88	4.2	523	7	US-11-056-355B-111352	Sequence 111352, A	480	86.5	4.1	635	7	US-11-056-355B-99465	Sequence 99465, A
408	88	4.2	527	7	US-11-056-355B-77846	Sequence 77846, A	481	86.5	4.1	635	7	US-11-056-355B-106475	Sequence 106475, A
409	88	4.2	530	6	US-10-953-349-20585	Sequence 20585, A	482	86.5	4.1	635	7	US-11-056-355B-110704	Sequence 110704, A
410	88	4.2	566	6	US-10-564-458-63	Sequence 63, Appl	483	86.5	4.1	635	7	US-11-056-355B-11714	Sequence 11714, A
411	88	4.2	578	7	US-11-056-355B-70047	Sequence 70047, A	484	86.5	4.1	639	7	US-11-056-355B-99464	Sequence 99464, A
412	88	4.2	594	7	US-11-056-355B-70046	Sequence 70046, A	485	86.5	4.1	639	7	US-11-056-355B-110703	Sequence 110703, A
413	88	4.2	714	7	US-11-056-355B-70045	Sequence 70045, A	486	86.5	4.1	643	7	US-11-261-390-13	Sequence 13, Appl
414	88	4.2	795	7	US-11-056-355B-82532	Sequence 82532, A	487	86.5	4.1	649	7	US-11-056-355B-99463	Sequence 99463, A
415	88	4.2	872	6	US-10-471-571A-4674	Sequence 4674, Ap	488	86.5	4.1	649	7	US-11-056-355B-106474	Sequence 106474, A
416	88	4.2	912	7	US-11-056-355B-82531	Sequence 82531, A	489	86.5	4.1	649	7	US-11-056-355B-110702	Sequence 110702, A
417	88	4.2	1711	7	US-11-121-133-219	Sequence 219, App	490	86.5	4.1	649	7	US-11-056-355B-11713	Sequence 11713, A
418	88	4.2	1711	7	US-11-121-133-220	Sequence 220, App	491	86.5	4.1	880	6	US-10-449-902-56394	Sequence 56394, A
419	87.5	4.1	250	7	US-11-330-403-5523	Sequence 5523, Ap	492	86.5	4.1	968	7	US-11-056-355B-87059	Sequence 87059, A
420	87.5	4.1	290	6	US-10-449-902-54864	Sequence 54864, A	493	86.5	4.1	995	6	US-10-528-563-8	Sequence 8, Appl
421	87.5	4.1	326	6	US-10-953-349-22868	Sequence 22868, A	494	86.5	4.1	1003	7	US-11-056-355B-87058	Sequence 87058, A
422	87.5	4.1	330	7	US-11-056-355B-44236	Sequence 44236, A	495	86.5	4.1	1055	7	US-11-056-355B-87057	Sequence 87057, A
423	87.5	4.1	379	7	US-11-056-355B-83118	Sequence 83118, A	496	86.5	4.1	1274	6	US-10-471-571A-898	Sequence 898, App
424	87.5	4.1	379	7	US-11-056-355B-108473	Sequence 108473, A	497	86.5	4.1	1809	6	US-10-559-415-190	Sequence 190, App
425	87.5	4.1	379	7	US-11-056-355B-119712	Sequence 119712, A	498	86.5	4.1	1919	6	US-10-559-415-2	Sequence 2, Appl
426	87.5	4.1	399	7	US-11-293-697-2891	Sequence 2891, Ap	499	86	4.1	451	6	US-10-471-571A-4544	Sequence 4544, Ap
427	87.5	4.1	401	7	US-11-056-355B-83117	Sequence 83117, A	500	86	4.1	460	7	US-11-056-355B-49003	Sequence 49003, A
428	87.5	4.1	401	7	US-11-056-355B-108472	Sequence 108472, A	501	86	4.1	503	6	US-10-449-902-35868	Sequence 35868, A
429	87.5	4.1	401	7	US-11-056-355B-119711	Sequence 119711, A	502	86	4.1	517	7	US-11-056-355B-46088	Sequence 46088, A
430	87.5	4.1	404	7	US-11-301-554-1932	Sequence 1932, Ap	503	86	4.1	517	7	US-11-317-789A-961	Sequence 961, App
431	87.5	4.1	431	7	US-11-056-355B-45382	Sequence 45382, A	504	86	4.1	527	7	US-11-056-355B-46087	Sequence 46087, A
432	87.5	4.1	435	7	US-11-251-208-202	Sequence 202, App	505	86	4.1	568	6	US-10-564-458-23	Sequence 23, Appl
433	87.5	4.1	435	7	US-11-056-355B-83977	Sequence 83977, A	506	86	4.1	568	6	US-10-564-458-24	Sequence 24, Appl
434	87.5	4.1	445	7	US-11-056-355B-45381	Sequence 45381, A	507	86	4.1	596	6	US-10-449-902-45371	Sequence 45371, A
435	87.5	4.1	449	7	US-11-056-355B-83976	Sequence 83976, A	508	86	4.1	664	6	US-10-471-571A-958	Sequence 958, App
436	87.5	4.1	464	7	US-11-301-554-1934	Sequence 1934, Ap	509	86	4.1	763	6	US-10-486-020-24	Sequence 24, Appl
437	87.5	4.1	466	7	US-11-293-697-4043	Sequence 4043, Ap	510	86	4.1	773	6	US-10-449-902-47508	Sequence 47508, A
438	87.5	4.1	498	6	US-10-449-902-49206	Sequence 49206, A	511	86	4.1	773	6	US-10-449-902-50986	Sequence 50986, A
439	87.5	4.1	498	6	US-10-449-902-49821	Sequence 49821, A	512	86	4.1	880	6	US-10-449-902-53456	Sequence 53456, A
440	87.5	4.1	505	6	US-10-471-571A-904	Sequence 904, App	513	86	4.1	908	6	US-10-449-902-52153	Sequence 52153, A
441	87.5	4.1	510	7	US-11-056-355B-45380	Sequence 45380, A	514	86	4.1	945	7	US-11-056-355B-48993	Sequence 48993, A
442	87.5	4.1	514	7	US-11-056-355B-83975	Sequence 83975, A	515	86	4.1	971	6	US-10-528-563-7	Sequence 7, Appl
443	87.5	4.1	576	6	US-10-564-458-21	Sequence 21, Appl	516	86	4.1	994	7	US-11-056-355B-48831	Sequence 48831, A
444	87.5	4.1	629	7	US-11-056-355B-85956	Sequence 85956, A	517	86	4.1	997	7	US-11-056-355B-48992	Sequence 48992, A
445	87.5	4.1	642	6	US-10-505-928-259	Sequence 259, App	518	86	4.1	1013	7	US-11-056-355B-48992	Sequence 48992, A
446	87.5	4.1	648	7	US-11-056-355B-71274	Sequence 71274, A	519	86	4.1	1058	7	US-11-056-355B-48830	Sequence 48830, A
447	87.5	4.1	876	6	US-10-471-571A-5500	Sequence 5500, Ap	520	86	4.1	1068	7	US-11-056-355B-48991	Sequence 48991, A
448	87.5	4.1	916	7	US-11-238-031-22	Sequence 22, Appl	521	86	4.1	1753	6	US-10-504-973-30	Sequence 30, Appl
449	87.5	4.1	916	7	US-11-238-031-114	Sequence 114, App	522	86	4.1	2124	7	US-11-283-329-160	Sequence 160, App
450	87.5	4.1	1315	6	US-10-527-411-141	Sequence 141, App	523	86	4.1	2186	6	US-10-471-571A-860	Sequence 860, App
451	87	4.1	370	6	US-10-449-902-34608	Sequence 34608, A	524	85.5	4.1	349	7	US-11-317-789A-753	Sequence 753, App
452	87	4.1	383	7	US-11-293-697-3206	Sequence 3206, Ap	525	85.5	4.1	384	7	US-11-056-355B-30687	Sequence 30687, A
453	87	4.1	388	7	US-11-056-355B-98872	Sequence 98872, A	526	85.5	4.1	384	7	US-11-056-355B-34277	Sequence 34277, A
454	87	4.1	388	7	US-11-056-355B-110111	Sequence 110111, A	527	85.5	4.1	384	7	US-11-056-355B-100115	Sequence 100115, A
455	87	4.1	402	7	US-11-056-355B-82558	Sequence 82558, A	528	85.5	4.1	384	7	US-11-056-355B-111354	Sequence 111354, A
456	87	4.1	425	7	US-11-056-355B-82557	Sequence 82557, A	529	85.5	4.1	394	6	US-10-953-349-23185	Sequence 23185, A
457	87	4.1	436	7	US-11-056-355B-98871	Sequence 98871, A	530	85.5	4.1	394	7	US-11-056-355B-59466	Sequence 59466, A
458	87	4.1	436	7	US-11-056-355B-110110	Sequence 110110, A	531	85.5	4.1	406	7	US-11-056-355B-87323	Sequence 87323, A
459	87	4.1	566	7	US-11-289-102-234	Sequence 234, App	532	85.5	4.1	409	6	US-10-953-349-23184	Sequence 23184, A
460	87	4.1	583	7	US-11-056-355B-82556	Sequence 82556, A	533	85.5	4.1	409	7	US-11-056-355B-59465	Sequence 59465, A
461	87	4.1	583	7	US-11-330-403-4338	Sequence 4338, Ap	534	85.5	4.1	420	6	US-10-449-902-44525	Sequence 44525, A
462	87	4.1	585	7	US-11-330-403-14816	Sequence 14816, A	535	85.5	4.1	455	6	US-10-449-902-56662	Sequence 56662, A
463	87	4.1	591	6	US-10-449-902-52109	Sequence 52109, A	536	85.5	4.1	479	7	US-11-056-355B-71304	Sequence 71304, A
464	87	4.1	613	6	US-10-644-084-4	Sequence 4, Appl	537	85.5	4.1	481	7	US-11-056-355B-71303	Sequence 71303, A
465	87	4.1	659	7	US-11-105-233-48	Sequence 48, Appl	538	85.5	4.1	485	7	US-11-056-355B-87322	Sequence 87322, A
466	87	4.1	660	6	US-10-449-902-55721	Sequence 55721, A	539	85.5	4.1	487	7	US-11-395-249-112	Sequence 112, App

540	85.5	4.1	512	7	US-11-293-697-4080	Sequence 4080, Ap	613	84.5	4.0	423	6	US-10-953-349-22311	Sequence 22311, A
541	85.5	4.1	575	6	US-10-564-458-61	Sequence 61, Appl	614	84.5	4.0	436	6	US-10-471-571A-5206	Sequence 5206, Ap
542	85.5	4.1	575	7	US-11-056-355B-85957	Sequence 85957, A	615	84.5	4.0	442	6	US-10-505-928-525	Sequence 525, App
543	85.5	4.1	594	7	US-11-056-355B-71275	Sequence 71275, A	616	84.5	4.0	467	7	US-11-056-355B-45939	Sequence 45939, A
544	85.5	4.1	599	7	US-11-293-697-2469	Sequence 2469, Ap	617	84.5	4.0	487	7	US-11-056-355B-97247	Sequence 97247, A
545	85.5	4.1	637	6	US-10-471-571A-3918	Sequence 3918, Ap	618	84.5	4.0	495	6	US-10-953-349-22310	Sequence 22310, A
546	85.5	4.1	643	6	US-10-449-902-44398	Sequence 44398, A	619	84.5	4.0	512	7	US-11-056-355B-97246	Sequence 97246, A
547	85.5	4.1	699	7	US-11-056-355B-48220	Sequence 48220, A	620	84.5	4.0	530	7	US-11-056-355B-97245	Sequence 97245, A
548	85.5	4.1	699	7	US-11-056-355B-89226	Sequence 89226, A	621	84.5	4.0	568	6	US-10-564-458-26	Sequence 26, Appl
549	85.5	4.1	699	7	US-11-056-355B-92982	Sequence 92982, A	622	84.5	4.0	569	6	US-10-953-349-37908	Sequence 37908, A
550	85.5	4.1	741	7	US-11-056-355B-80995	Sequence 80995, A	623	84.5	4.0	576	6	US-10-953-349-32301	Sequence 32301, A
551	85.5	4.1	745	7	US-11-056-355B-80994	Sequence 80994, A	624	84.5	4.0	576	7	US-11-056-355B-66022	Sequence 66022, A
552	85.5	4.1	863	7	US-11-056-355B-83328	Sequence 83328, A	625	84.5	4.0	610	6	US-10-449-902-42788	Sequence 42788, A
553	85.5	4.1	865	7	US-11-056-355B-83327	Sequence 83327, A	626	84.5	4.0	652	7	US-11-293-697-3192	Sequence 3192, Ap
554	85.5	4.1	870	7	US-11-056-355B-46518	Sequence 46518, A	627	84.5	4.0	678	6	US-10-449-902-35529	Sequence 35529, A
555	85.5	4.1	891	6	US-10-449-902-47174	Sequence 47174, A	628	84.5	4.0	689	6	US-10-953-349-32300	Sequence 32300, A
556	85.5	4.1	949	7	US-11-056-355B-46517	Sequence 46517, A	629	84.5	4.0	689	7	US-11-056-355B-66021	Sequence 66021, A
557	85.5	4.1	950	7	US-11-293-697-4492	Sequence 4492, Ap	630	84.5	4.0	745	6	US-10-953-349-32299	Sequence 32299, A
558	85.5	4.1	978	7	US-11-330-403-1051	Sequence 1051, Ap	631	84.5	4.0	745	7	US-11-056-355B-66020	Sequence 66020, A
559	85.5	4.1	1009	6	US-10-471-571A-2402	Sequence 2402, Ap	632	84.5	4.0	788	7	US-11-056-355B-90082	Sequence 90082, A
560	85.5	4.1	1034	7	US-11-056-355B-80829	Sequence 80829, A	633	84.5	4.0	788	7	US-11-056-355B-93838	Sequence 93838, A
561	85.5	4.1	1046	7	US-11-056-355B-80828	Sequence 80828, A	634	84.5	4.0	819	7	US-11-056-355B-90081	Sequence 90081, A
562	85.5	4.1	1056	7	US-11-056-355B-46516	Sequence 46516, A	635	84.5	4.0	819	7	US-11-056-355B-93837	Sequence 93837, A
563	85.5	4.1	1056	7	US-11-056-355B-80827	Sequence 80827, A	636	84.5	4.0	853	7	US-11-056-355B-71219	Sequence 71219, A
564	85.5	4.1	2133	6	US-10-537-642-9	Sequence 9, Appli	637	84.5	4.0	872	7	US-11-056-355B-89881	Sequence 89881, A
565	85	4.0	278	7	US-11-056-355B-44237	Sequence 44237, A	638	84.5	4.0	872	7	US-11-056-355B-93637	Sequence 93637, A
566	85	4.0	306	7	US-11-256-173-27	Sequence 27, Appl	639	84.5	4.0	893	7	US-11-056-355B-89880	Sequence 89880, A
567	85	4.0	332	7	US-11-056-355B-25032	Sequence 25032, A	640	84.5	4.0	893	7	US-11-056-355B-93636	Sequence 93636, A
568	85	4.0	372	6	US-10-953-349-23186	Sequence 23186, A	641	84.5	4.0	926	7	US-11-056-355B-71218	Sequence 71218, A
569	85	4.0	372	7	US-11-056-355B-59467	Sequence 59467, A	642	84.5	4.0	1030	7	US-11-056-355B-89879	Sequence 89879, A
570	85	4.0	377	6	US-10-449-902-35844	Sequence 35844, A	643	84.5	4.0	1030	7	US-11-056-355B-93635	Sequence 93635, A
571	85	4.0	415	7	US-11-056-355B-80760	Sequence 80760, A	644	84.5	4.0	1053	6	US-10-449-902-41234	Sequence 41234, A
572	85	4.0	423	7	US-11-056-355B-5548	Sequence 5548, Ap	645	84.5	4.0	1056	6	US-10-449-902-46760	Sequence 46760, A
573	85	4.0	423	7	US-10-953-349-19514	Sequence 80759, A	646	84	4.0	303	7	US-11-056-355B-83119	Sequence 83119, A
574	85	4.0	429	6	US-10-953-349-19514	Sequence 19514, A	647	84	4.0	303	7	US-11-056-355B-108474	Sequence 108474, A
575	85	4.0	459	7	US-11-056-355B-5547	Sequence 5547, Ap	648	84	4.0	303	7	US-11-056-355B-119713	Sequence 119713, A
576	85	4.0	487	6	US-10-953-349-19513	Sequence 19513, A	649	84	4.0	399	6	US-10-374-780A-194	Sequence 194, App
577	85	4.0	523	7	US-11-056-355B-70187	Sequence 70187, A	650	84	4.0	424	6	US-10-953-349-8127	Sequence 8127, Ap
578	85	4.0	539	7	US-11-056-355B-70186	Sequence 70186, A	651	84	4.0	447	7	US-11-301-457-8	Sequence 8, Appli
579	85	4.0	551	7	US-11-056-355B-80758	Sequence 80758, A	652	84	4.0	464	7	US-11-157-741-2	Sequence 2, Appli
580	85	4.0	576	6	US-10-564-458-60	Sequence 60, Appl	653	84	4.0	563	6	US-10-449-902-34669	Sequence 34669, A
581	85	4.0	597	6	US-10-449-902-34844	Sequence 34844, A	654	84	4.0	572	6	US-10-564-458-62	Sequence 62, Appl
582	85	4.0	657	7	US-11-056-355B-70185	Sequence 70185, A	655	84	4.0	576	6	US-10-564-458-6	Sequence 6, Appli
583	85	4.0	750	7	US-11-056-355B-17323	Sequence 17323, A	656	84	4.0	576	6	US-10-564-458-22	Sequence 22, Appl
584	85	4.0	802	7	US-11-056-355B-17322	Sequence 17322, A	657	84	4.0	595	7	US-11-293-697-4475	Sequence 4475, Ap
585	85	4.0	823	7	US-11-056-355B-17321	Sequence 17321, A	658	84	4.0	639	6	US-10-449-902-38079	Sequence 38079, A
586	85	4.0	923	7	US-11-293-697-3314	Sequence 3314, Ap	659	84	4.0	642	6	US-10-449-902-51127	Sequence 51127, A
587	85	4.0	991	7	US-11-165-586-62	Sequence 62, Appl	660	84	4.0	653	6	US-10-953-349-37295	Sequence 37295, A
588	85	4.0	1148	7	US-11-056-355B-106680	Sequence 106680, A	661	84	4.0	686	6	US-10-471-571A-4980	Sequence 4980, Ap
589	85	4.0	1148	7	US-11-056-355B-117919	Sequence 117919, A	662	84	4.0	698	6	US-10-953-349-37294	Sequence 37294, A
590	85	4.0	1149	7	US-11-056-355B-103126	Sequence 103126, A	663	84	4.0	718	6	US-10-953-349-5389	Sequence 5389, Ap
591	85	4.0	1149	7	US-11-056-355B-114365	Sequence 114365, A	664	84	4.0	732	6	US-10-953-349-37293	Sequence 37293, A
592	85	4.0	1180	7	US-11-056-355B-106679	Sequence 106679, A	665	84	4.0	738	6	US-10-953-349-5388	Sequence 5388, Ap
593	85	4.0	1180	7	US-11-056-355B-117918	Sequence 117918, A	666	84	4.0	763	6	US-10-953-349-5387	Sequence 5387, Ap
594	85	4.0	1181	7	US-11-056-355B-103125	Sequence 103125, A	667	84	4.0	769	6	US-10-449-902-46366	Sequence 46366, A
595	85	4.0	1181	7	US-11-056-355B-114364	Sequence 114364, A	668	84	4.0	796	7	US-11-266-446-36	Sequence 36, Appl
596	85	4.0	1182	7	US-11-056-355B-77768	Sequence 77768, A	669	84	4.0	838	7	US-11-338-847-8	Sequence 8, Appli
597	85	4.0	1259	7	US-11-056-355B-106678	Sequence 106678, A	670	84	4.0	999	7	US-11-056-355B-86030	Sequence 86030, A
598	85	4.0	1259	7	US-11-056-355B-117917	Sequence 117917, A	671	84	4.0	1019	7	US-11-056-355B-86029	Sequence 86029, A
599	85	4.0	1260	7	US-11-056-355B-103124	Sequence 103124, A	672	84	4.0	1120	6	US-10-505-928-213	Sequence 213, App
600	85	4.0	1260	7	US-11-056-355B-114363	Sequence 114363, A	673	84	4.0	1196	7	US-11-056-355B-86028	Sequence 86028, A
601	85	4.0	1261	7	US-11-056-355B-77767	Sequence 77767, A	674	84	4.0	1260	7	US-11-056-355B-89828	Sequence 89828, A
602	85	4.0	1277	7	US-11-056-355B-77766	Sequence 77766, A	675	84	4.0	1260	7	US-11-056-355B-93584	Sequence 93584, A
603	84.5	4.0	158	7	US-11-056-355B-74194	Sequence 74194, A	676	84	4.0	1317	7	US-11-056-355B-89827	Sequence 89827, A
604	84.5	4.0	202	6	US-10-953-349-37812	Sequence 37812, A	677	84	4.0	1317	7	US-11-056-355B-93583	Sequence 93583, A
605	84.5	4.0	222	6	US-11-056-355B-16876	Sequence 16876, A	678	84	4.0	1348	7	US-11-056-355B-89826	Sequence 89826, A
606	84.5	4.0	242	6	US-10-953-349-37811	Sequence 37811, A	679	84	4.0	1348	7	US-11-056-355B-93582	Sequence 93582, A
607	84.5	4.0	255	7	US-11-056-355B-16875	Sequence 16875, A	680	84	4.0	1663	6	US-10-505-928-227	Sequence 227, App
608	84.5	4.0	280	7	US-11-056-355B-73362	Sequence 73362, A	681	84	4.0	1755	7	US-11-056-355B-85720	Sequence 85720, A
609	84.5	4.0	282	7	US-11-251-208-71	Sequence 71, Appl	682	84	4.0	1812	7	US-11-056-355B-85719	Sequence 85719, A
610	84.5	4.0	384	7	US-11-056-355B-45941	Sequence 45941, A	683	84	4.0	1843	7	US-11-056-355B-85718	Sequence 85718, A
611	84.5	4.0	390	6	US-10-953-349-22312	Sequence 22312, A	684	83.5	4.0	220	6	US-10-953-349-25584	Sequence 25584, A
612	84.5	4.0	407	7	US-11-056-355B-45940	Sequence 45940, A	685	83.5	4.0	220	7	US-11-056-355B-69151	Sequence 69151, A

686	83.5	4.0	236	6	US-10-953-349-21026	Sequence 21026, A	759	83	3.9	597	7	US-11-056-355B-58337	Sequence 58337, A
687	83.5	4.0	253	6	US-10-449-902-40153	Sequence 40153, A	760	83	3.9	599	6	US-10-540-898-697	Sequence 697, App
688	83.5	4.0	327	7	US-11-056-355B-40827	Sequence 40827, A	761	83	3.9	605	7	US-11-056-355B-58336	Sequence 58336, A
689	83.5	4.0	370	7	US-11-056-355B-43106	Sequence 43106, A	762	83	3.9	620	7	US-11-056-355B-58335	Sequence 58335, A
690	83.5	4.0	375	6	US-10-953-349-15711	Sequence 15711, A	763	83	3.9	655	7	US-11-265-052-2	Sequence 2, Appl1
691	83.5	4.0	379	7	US-11-056-355B-43105	Sequence 43105, A	764	83	3.9	655	7	US-11-265-052-23	Sequence 23, Appl1
692	83.5	4.0	398	7	US-11-056-355B-71867	Sequence 71867, A	765	83	3.9	655	7	US-11-265-065-2	Sequence 2, Appl1
693	83.5	4.0	412	6	US-10-374-780A-2794	Sequence 2794, Ap	766	83	3.9	655	7	US-11-265-065-23	Sequence 23, Appl1
694	83.5	4.0	412	7	US-11-056-355B-43104	Sequence 43104, A	767	83	3.9	667	7	US-11-293-697-4123	Sequence 4123, Ap
695	83.5	4.0	425	6	US-10-449-902-54070	Sequence 54070, A	768	83	3.9	751	7	US-11-330-403-2688	Sequence 2688, Ap
696	83.5	4.0	438	7	US-11-056-355B-71866	Sequence 71866, A	769	83	3.9	930	7	US-11-056-355B-88593	Sequence 88593, A
697	83.5	4.0	439	6	US-10-449-902-56138	Sequence 56138, A	770	83	3.9	930	7	US-11-056-355B-92349	Sequence 92349, A
698	83.5	4.0	454	7	US-11-289-102-269	Sequence 269, App	771	83	3.9	947	7	US-11-056-355B-89738	Sequence 89738, A
699	83.5	4.0	454	7	US-11-056-355B-77048	Sequence 77048, A	772	83	3.9	947	7	US-11-056-355B-93494	Sequence 93494, A
700	83.5	4.0	522	7	US-11-056-355B-77047	Sequence 77047, A	773	83	3.9	974	6	US-10-449-902-56191	Sequence 56191, A
701	83.5	4.0	539	7	US-11-056-355B-77046	Sequence 77046, A	774	83	3.9	977	6	US-10-449-902-55881	Sequence 55881, A
702	83.5	4.0	563	7	US-11-293-697-4323	Sequence 4323, Ap	775	83	3.9	1004	6	US-10-449-902-54247	Sequence 54247, A
703	83.5	4.0	744	6	US-10-471-571A-1044	Sequence 1044, Ap	776	83	3.9	1010	7	US-11-056-355B-88592	Sequence 88592, A
704	83.5	4.0	783	6	US-10-449-902-55443	Sequence 55443, A	777	83	3.9	1010	7	US-11-056-355B-92348	Sequence 92348, A
705	83.5	4.0	789	6	US-10-530-234-8	Sequence 8, Appli	778	83	3.9	1013	7	US-11-056-355B-88591	Sequence 88591, A
706	83.5	4.0	789	7	US-11-056-355B-79301	Sequence 79301, A	779	83	3.9	1013	7	US-11-056-355B-92347	Sequence 92347, A
707	83.5	4.0	790	6	US-10-449-902-42819	Sequence 42819, A	780	83	3.9	1027	7	US-11-056-355B-89737	Sequence 89737, A
708	83.5	4.0	799	7	US-11-056-355B-90152	Sequence 90152, A	781	83	3.9	1027	7	US-11-056-355B-93493	Sequence 93493, A
709	83.5	4.0	799	7	US-11-056-355B-93908	Sequence 93908, A	782	83	3.9	1030	7	US-11-056-355B-89736	Sequence 89736, A
710	83.5	4.0	806	6	US-10-539-228-458	Sequence 458, App	783	83	3.9	1030	7	US-11-056-355B-93492	Sequence 93492, A
711	83.5	4.0	810	7	US-11-056-355B-90151	Sequence 90151, A	784	83	3.9	1032	6	US-10-449-902-45139	Sequence 45139, A
712	83.5	4.0	810	7	US-11-056-355B-93907	Sequence 93907, A	785	83	3.9	1464	6	US-10-537-642-27	Sequence 27, Appl1
713	83.5	4.0	815	7	US-11-056-355B-79300	Sequence 79300, A	786	82.5	3.9	284	6	US-10-505-928-447	Sequence 447, App
714	83.5	4.0	834	6	US-10-539-228-647	Sequence 647, App	787	82.5	3.9	284	7	US-11-056-355B-79466	Sequence 79466, A
715	83.5	4.0	893	7	US-11-056-355B-90150	Sequence 90150, A	788	82.5	3.9	305	7	US-11-056-355B-37441	Sequence 37441, A
716	83.5	4.0	893	7	US-11-056-355B-93906	Sequence 93906, A	789	82.5	3.9	305	7	US-11-056-355B-41529	Sequence 41529, A
717	83.5	4.0	955	7	US-11-056-355B-36910	Sequence 36910, A	790	82.5	3.9	305	7	US-11-056-355B-73054	Sequence 73054, A
718	83.5	4.0	995	7	US-11-056-355B-36909	Sequence 36909, A	791	82.5	3.9	316	7	US-11-056-355B-79465	Sequence 79465, A
719	83.5	4.0	1034	7	US-11-056-355B-36908	Sequence 36908, A	792	82.5	3.9	325	7	US-11-056-355B-79464	Sequence 79464, A
720	83.5	4.0	1341	7	US-11-220-785A-23	Sequence 23, Appl1	793	82.5	3.9	335	7	US-11-056-355B-38831	Sequence 38831, A
721	83	3.9	250	7	US-11-056-355B-49915	Sequence 49915, A	794	82.5	3.9	335	7	US-11-056-355B-74458	Sequence 74458, A
722	83	3.9	250	7	US-11-056-355B-77087	Sequence 77087, A	795	82.5	3.9	366	7	US-11-056-355B-37440	Sequence 37440, A
723	83	3.9	250	7	US-11-056-355B-89344	Sequence 89344, A	796	82.5	3.9	367	7	US-11-056-355B-41528	Sequence 41528, A
724	83	3.9	250	7	US-11-056-355B-93100	Sequence 93100, A	797	82.5	3.9	367	7	US-11-056-355B-73053	Sequence 73053, A
725	83	3.9	258	6	US-10-449-902-50572	Sequence 50572, A	798	82.5	3.9	380	7	US-11-174-307B-4214	Sequence 4214, Ap
726	83	3.9	281	7	US-11-056-355B-49914	Sequence 49914, A	799	82.5	3.9	388	7	US-11-056-355B-37439	Sequence 37439, A
727	83	3.9	281	7	US-11-056-355B-77086	Sequence 77086, A	800	82.5	3.9	389	7	US-11-056-355B-73052	Sequence 73052, A
728	83	3.9	281	7	US-11-056-355B-89343	Sequence 89343, A	801	82.5	3.9	425	7	US-11-330-403-14683	Sequence 14683, A
729	83	3.9	281	7	US-11-056-355B-93099	Sequence 93099, A	802	82.5	3.9	463	6	US-10-953-349-37967	Sequence 37967, A
730	83	3.9	295	7	US-11-056-355B-26023	Sequence 26023, A	803	82.5	3.9	464	6	US-10-953-349-37966	Sequence 37966, A
731	83	3.9	300	7	US-11-056-355B-79628	Sequence 79628, A	804	82.5	3.9	480	6	US-10-953-349-37965	Sequence 37965, A
732	83	3.9	306	7	US-11-056-355B-79627	Sequence 79627, A	805	82.5	3.9	492	6	US-10-953-349-20693	Sequence 20693, A
733	83	3.9	343	6	US-10-953-349-21429	Sequence 21429, A	806	82.5	3.9	492	6	US-11-056-355B-59098	Sequence 59098, A
734	83	3.9	343	7	US-11-056-355B-53204	Sequence 53204, A	807	82.5	3.9	493	6	US-10-449-902-46104	Sequence 46104, A
735	83	3.9	346	6	US-10-953-349-17760	Sequence 17760, A	808	82.5	3.9	555	7	US-11-056-355B-13774	Sequence 13774, A
736	83	3.9	346	7	US-11-056-355B-54903	Sequence 54903, A	809	82.5	3.9	729	7	US-11-056-355B-90486	Sequence 90486, A
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738	83	3.9	354	7	US-11-056-355B-53203	Sequence 53203, A	811	82.5	3.9	752	7	US-11-293-697-3981	Sequence 3981, Ap
739	83	3.9	364	6	US-10-449-902-47177	Sequence 47177, A	812	82.5	3.9	765	7	US-11-056-355B-82533	Sequence 82533, A
740	83	3.9	371	6	US-10-953-349-21427	Sequence 21427, A	813	82.5	3.9	789	7	US-11-056-355B-90485	Sequence 90485, A
741	83	3.9	371	7	US-11-056-355B-53202	Sequence 53202, A	814	82.5	3.9	789	7	US-11-056-355B-94241	Sequence 94241, A
742	83	3.9	393	6	US-10-471-571A-4444	Sequence 4444, Ap	815	82.5	3.9	813	7	US-11-056-355B-90484	Sequence 90484, A
743	83	3.9	396	7	US-11-056-355B-49913	Sequence 49913, A	816	82.5	3.9	813	7	US-11-056-355B-94240	Sequence 94240, A
744	83	3.9	396	7	US-11-056-355B-77085	Sequence 77085, A	817	82.5	3.9	877	6	US-10-471-571A-362	Sequence 362, App
745	83	3.9	396	7	US-11-056-355B-89342	Sequence 89342, A	818	82.5	3.9	919	7	US-11-056-355B-80540	Sequence 80540, A
746	83	3.9	396	7	US-11-056-355B-93098	Sequence 93098, A	819	82.5	3.9	921	7	US-11-056-355B-80539	Sequence 80539, A
747	83	3.9	401	7	US-11-056-355B-66681	Sequence 66681, A	820	82.5	3.9	957	6	US-10-449-902-41249	Sequence 41249, A
748	83	3.9	411	7	US-11-056-355B-66680	Sequence 66680, A	821	82.5	3.9	961	7	US-11-293-697-3663	Sequence 3663, Ap
749	83	3.9	430	6	US-10-953-349-39528	Sequence 39528, A	822	82.5	3.9	974	6	US-10-953-349-37905	Sequence 37905, A
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751	83	3.9	440	7	US-11-056-355B-39105	Sequence 39105, A	824	82.5	3.9	1038	7	US-11-289-102-270	Sequence 270, App
752	83	3.9	447	7	US-11-056-355B-66679	Sequence 66679, A	825	82.5	3.9	1055	6	US-10-953-349-37904	Sequence 37904, A
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755	83	3.9	565	6	US-10-471-571A-1676	Sequence 1676, Ap	828	82.5	3.9	1252	6	US-10-449-902-55024	Sequence 55024, A
756	83	3.9	568	6	US-10-564-458-25	Sequence 25, Appl1	829	82.5	3.9	1385	7	US-11-056-355B-87707	Sequence 87707, A
757	83	3.9	590	7	US-11-056-355B-71649	Sequence 71649, A	830	82.5	3.9	1466	7	US-11-056-355B-10110	Sequence 10110, A
758	83	3.9	592	7	US-11-056-355B-71648	Sequence 71648, A	831	82.5	3.9	1466	7	US-11-056-355B-112349	Sequence 112349, A

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833	82.5	3.9	1491	7	US-11-056-355B-112348	Sequence 112348,	906	81.5	3.9	661	6	US-10-449-902-42670	Sequence 42670, A
834	82.5	3.9	1495	7	US-11-056-355B-101108	Sequence 101108,	907	81.5	3.9	695	7	US-11-056-355B-79302	Sequence 79302, A
835	82.5	3.9	1495	7	US-11-056-355B-112347	Sequence 112347,	908	81.5	3.9	724	7	US-11-056-355B-46361	Sequence 46361, A
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837	82	3.9	271	7	US-11-056-355B-38833	Sequence 38833, A	910	81.5	3.9	767	6	US-10-449-902-53326	Sequence 53326, A
838	82	3.9	271	7	US-11-056-355B-74460	Sequence 74460, A	911	81.5	3.9	770	7	US-11-192-437-5	Sequence 5, Appli
839	82	3.9	306	7	US-11-056-355B-38832	Sequence 38832, A	912	81.5	3.9	1397	7	US-11-220-785A-32	Sequence 32, Appl
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844	82	3.9	356	7	US-11-056-355B-53660	Sequence 53660, A	917	81	3.8	414	6	US-10-471-571A-4790	Sequence 4790, Ap
845	82	3.9	360	6	US-10-953-349-18423	Sequence 18423, A	918	81	3.8	433	6	US-10-953-349-20989	Sequence 20989, A
846	82	3.9	360	7	US-11-056-355B-53659	Sequence 53659, A	919	81	3.8	433	7	US-11-056-355B-53615	Sequence 53615, A
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854	82	3.9	548	7	US-11-056-355B-113313	Sequence 113313,	927	81	3.8	443	7	US-11-056-355B-25547	Sequence 25547, A
855	82	3.9	569	7	US-11-056-355B-102073	Sequence 102073,	928	81	3.8	443	7	US-11-056-355B-35803	Sequence 35803, A
856	82	3.9	569	7	US-11-056-355B-113312	Sequence 113312,	929	81	3.8	443	7	US-11-056-355B-45512	Sequence 45512, A
857	82	3.9	587	7	US-11-056-355B-45466	Sequence 45466, A	930	81	3.8	443	7	US-11-056-355B-98965	Sequence 98965, A
858	82	3.9	589	7	US-11-056-355B-102072	Sequence 102072,	931	81	3.8	443	7	US-11-056-355B-110204	Sequence 110204,
859	82	3.9	589	7	US-11-056-355B-113311	Sequence 113311,	932	81	3.8	448	6	US-10-471-571A-492	Sequence 492, App
860	82	3.9	591	7	US-11-045-540-1	Sequence 1, Appli	933	81	3.8	450	6	US-10-953-349-20988	Sequence 20988, A
861	82	3.9	646	7	US-11-251-208-218	Sequence 218, App	934	81	3.8	450	7	US-11-056-355B-53614	Sequence 53614, A
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863	82	3.9	666	7	US-11-056-355B-86640	Sequence 86640, A	936	81	3.8	501	6	US-10-953-349-38930	Sequence 38930, A
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865	82	3.9	672	7	US-11-056-355B-86639	Sequence 86639, A	938	81	3.8	527	7	US-11-293-697-3984	Sequence 3984, Ap
866	82	3.9	785	7	US-11-056-355B-75790	Sequence 75790, A	939	81	3.8	545	6	US-10-953-349-38929	Sequence 38929, A
867	82	3.9	849	7	US-11-330-403-8049	Sequence 8049, Ap	940	81	3.8	556	6	US-10-953-349-38928	Sequence 38928, A
868	82	3.9	858	7	US-11-056-355B-75789	Sequence 75789, A	941	81	3.8	592	6	US-10-449-902-34768	Sequence 34768, A
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873	82	3.9	1247	7	US-11-056-355B-88201	Sequence 88201, A	946	81	3.8	658	7	US-11-056-355B-48039	Sequence 48039, A
874	82	3.9	1247	7	US-11-056-355B-91957	Sequence 91957, A	947	81	3.8	730	6	US-10-471-571A-1410	Sequence 1410, Ap
875	82	3.9	1248	7	US-11-045-540-5	Sequence 5, Appli	948	81	3.8	838	6	US-10-449-902-45252	Sequence 45252, A
876	82	3.9	1325	6	US-10-449-902-51794	Sequence 51794, A	949	81	3.8	872	6	US-10-527-411-145	Sequence 145, App
877	82	3.9	2024	6	US-10-537-642-21	Sequence 21, Appl	950	81	3.8	879	6	US-10-527-411-143	Sequence 143, App
878	81.5	3.9	210	7	US-11-056-355B-7811	Sequence 7811, Ap	951	81	3.8	887	6	US-10-527-411-147	Sequence 147, App
879	81.5	3.9	210	7	US-11-056-355B-8404	Sequence 8404, Ap	952	81	3.8	968	6	US-10-553-436-229	Sequence 229, App
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881	81.5	3.9	346	7	US-11-056-355B-108006	Sequence 108006,	954	81	3.8	968	6	US-10-553-436-231	Sequence 231, App
882	81.5	3.9	346	7	US-11-056-355B-119245	Sequence 119245,	955	81	3.8	968	6	US-10-553-436-233	Sequence 233, App
883	81.5	3.9	361	6	US-10-449-902-35341	Sequence 35341, A	956	81	3.8	1000	6	US-10-449-902-54610	Sequence 54610, A
884	81.5	3.9	361	6	US-10-449-902-54789	Sequence 54789, A	957	81	3.8	1003	6	US-10-449-902-43627	Sequence 43627, A
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886	81.5	3.9	410	6	US-10-953-349-20599	Sequence 20599, A	959	81	3.8	1008	6	US-10-449-902-50652	Sequence 50652, A
887	81.5	3.9	410	7	US-11-056-355B-55532	Sequence 55532, A	960	81	3.8	1019	6	US-10-528-563-11	Sequence 11, Appl
888	81.5	3.9	411	7	US-11-056-355B-96349	Sequence 96349, A	961	81	3.8	1370	6	US-10-471-571A-740	Sequence 740, App
889	81.5	3.9	417	7	US-11-293-697-4699	Sequence 4699, Ap	962	81	3.8	1395	6	US-10-505-928-513	Sequence 513, App
890	81.5	3.9	430	6	US-10-953-349-20598	Sequence 20598, A	963	81	3.8	1744	6	US-10-553-436-228	Sequence 228, App
891	81.5	3.9	430	7	US-11-174-307B-4646	Sequence 4646, Ap	964	81	3.8	1744	6	US-10-553-436-232	Sequence 232, App
892	81.5	3.9	430	7	US-11-056-355B-55531	Sequence 55531, A	965	81	3.8	1815	6	US-10-553-436-227	Sequence 227, App
893	81.5	3.9	440	6	US-10-449-902-45132	Sequence 45132, A	966	80.5	3.8	270	6	US-10-449-902-48483	Sequence 48483, A
894	81.5	3.9	451	6	US-10-953-349-20597	Sequence 20597, A	967	80.5	3.8	317	6	US-10-953-349-15712	Sequence 15712, A
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896	81.5	3.9	469	7	US-11-056-355B-46665	Sequence 46665, A	969	80.5	3.8	384	7	US-11-056-355B-46089	Sequence 46089, A
897	81.5	3.9	469	7	US-11-056-355B-49894	Sequence 49894, A	970	80.5	3.8	402	6	US-10-449-902-43543	Sequence 43543, A
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899	81.5	3.9	495	7	US-11-056-355B-49893	Sequence 49893, A	972	80.5	3.8	514	6	US-10-505-928-335	Sequence 335, App
900	81.5	3.9	505	6	US-10-953-349-1217	Sequence 1217, Ap	973	80.5	3.8	545	7	US-11-330-403-4127	Sequence 4127, Ap
901	81.5	3.9	532	6	US-10-953-349-1216	Sequence 1216, Ap	974	80.5	3.8	547	6	US-10-449-902-46672	Sequence 46672, A
902	81.5	3.9	567	6	US-10-449-902-44614	Sequence 44614, A	975	80.5	3.8	582	7	US-11-174-307B-3686	Sequence 3686, Ap
903	81.5	3.9	595	7	US-11-289-102-318	Sequence 318, App	976	80.5	3.8	647	7	US-11-056-355B-95989	Sequence 95989, A
904	81.5	3.9	595	7	US-11-283-329-92	Sequence 92, Appl	977	80.5	3.8	649	7	US-11-056-355B-95988	Sequence 95988, A

978	80.5	3.8	660	6	US-10-449-902-54150	Sequence 54150, A	1051	79.5	3.8	416	7	US-11-056-355B-100924	Sequence 100924,
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980	80.5	3.8	682	7	US-11-056-355B-95987	Sequence 95987, A	1053	79.5	3.8	427	7	US-11-199-489A-20	Sequence 20, Appl
981	80.5	3.8	683	7	US-11-056-355B-80996	Sequence 80996, A	1054	79.5	3.8	434	7	US-11-056-355B-12345	Sequence 12345, A
982	80.5	3.8	685	6	US-10-449-902-42816	Sequence 42816, A	1055	79.5	3.8	438	7	US-11-043-824-293	Sequence 293, App
983	80.5	3.8	963	6	US-10-449-902-44710	Sequence 44710, A	1056	79.5	3.8	442	7	US-11-056-355B-72289	Sequence 72289, A
984	80.5	3.8	1056	6	US-10-505-928-225	Sequence 225, App	1057	79.5	3.8	446	7	US-11-332-431-3	Sequence 3, Appli
985	80.5	3.8	1058	6	US-10-449-902-48932	Sequence 48932, A	1058	79.5	3.8	447	7	US-11-301-457-1	Sequence 1, Appli
986	80.5	3.8	1178	7	US-11-020-808-23	Sequence 23, Appl	1059	79.5	3.8	450	7	US-11-056-355B-12344	Sequence 12344, A
987	80.5	3.8	1217	6	US-10-471-571A-4942	Sequence 4942, Ap	1060	79.5	3.8	475	6	US-10-953-349-17159	Sequence 17159, A
988	80.5	3.8	1247	6	US-10-961-569-8	Sequence 8, Appli	1061	79.5	3.8	475	7	US-11-056-355B-53799	Sequence 53799, A
989	80.5	3.8	1904	6	US-10-537-642-1	Sequence 1, Appli	1062	79.5	3.8	478	6	US-10-449-902-48088	Sequence 48088, A
990	80	3.8	282	6	US-10-449-902-33147	Sequence 33147, A	1064	79.5	3.8	515	6	US-10-449-902-52689	Sequence 52689, A
991	80	3.8	317	6	US-10-374-780A-2860	Sequence 2860, Ap	1065	79.5	3.8	525	6	US-10-449-902-56694	Sequence 56694, A
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993	80	3.8	355	7	US-11-056-355B-58718	Sequence 58718, A	1067	79.5	3.8	579	6	US-10-449-902-43058	Sequence 43058, A
994	80	3.8	393	7	US-11-056-355B-58717	Sequence 58717, A	1068	79.5	3.8	643	7	US-11-056-355B-17650	Sequence 17650, A
995	80	3.8	395	7	US-11-056-355B-5549	Sequence 5549, Ap	1069	79.5	3.8	659	6	US-10-449-902-45152	Sequence 45152, A
996	80	3.8	414	7	US-11-330-403-4298	Sequence 4298, Ap	1070	79.5	3.8	743	6	US-10-449-902-51189	Sequence 51189, A
997	80	3.8	431	6	US-10-449-902-43427	Sequence 43427, A	1071	79.5	3.8	760	7	US-11-303-558-28	Sequence 28, Appl
998	80	3.8	441	7	US-11-293-697-3815	Sequence 3815, Ap	1072	79.5	3.8	818	7	US-11-056-355B-97733	Sequence 97733, A
999	80	3.8	446	6	US-10-449-902-55105	Sequence 55105, A	1073	79.5	3.8	818	7	US-11-056-355B-108972	Sequence 108972,
1000	80	3.8	458	7	US-11-056-355B-58670	Sequence 58670, A	1074	79.5	3.8	851	6	US-10-449-902-48666	Sequence 48666, A
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1004	80	3.8	489	6	US-10-374-780A-272	Sequence 272, App	1078	79.5	3.8	897	6	US-10-471-571A-5590	Sequence 5590, Ap
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1006	80	3.8	489	7	US-11-056-355B-112180	Sequence 112180,	1080	79.5	3.8	1044	6	US-10-449-902-42836	Sequence 42836, A
1007	80	3.8	493	7	US-11-056-355B-58716	Sequence 58716, A	1081	79.5	3.8	1075	6	US-10-322-836-48	Sequence 48, Appl
1008	80	3.8	495	7	US-11-056-355B-95951	Sequence 95951, A	1082	79.5	3.8	1096	6	US-10-449-902-46857	Sequence 46857, A
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1010	80	3.8	498	7	US-11-056-355B-100940	Sequence 100940,	1084	79.5	3.8	1296	7	US-11-056-355B-69735	Sequence 69735, A
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1016	80	3.8	842	7	US-11-056-355B-5088	Sequence 5088, Ap	1090	79	3.7	306	6	US-10-449-902-33176	Sequence 33176, A
1017	80	3.8	848	7	US-11-056-355B-97360	Sequence 97360, A	1091	79	3.7	306	7	US-11-056-355B-97014	Sequence 97014, A
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1019	80	3.8	849	7	US-11-056-355B-5087	Sequence 5087, Ap	1093	79	3.7	343	6	US-10-539-228-828	Sequence 828, App
1020	80	3.8	858	7	US-11-056-355B-83158	Sequence 83158, A	1094	79	3.7	359	6	US-10-374-780A-2022	Sequence 2022, Ap
1021	80	3.8	874	7	US-11-056-355B-97359	Sequence 97359, A	1095	79	3.7	388	6	US-10-953-349-20990	Sequence 20990, A
1022	80	3.8	884	7	US-11-056-355B-83157	Sequence 83157, A	1096	79	3.7	388	7	US-11-056-355B-53616	Sequence 53616, A
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1027	80	3.8	1114	7	US-11-056-355B-71151	Sequence 71151, A	1101	79	3.7	424	6	US-10-505-928-333	Sequence 333, App
1028	80	3.8	1168	6	US-10-471-571A-2328	Sequence 2328, Ap	1102	79	3.7	425	7	US-11-056-355B-82865	Sequence 82865, A
1029	80	3.8	1185	7	US-11-330-403-5674	Sequence 5674, Ap	1103	79	3.7	427	7	US-11-056-355B-82864	Sequence 82864, A
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1036	79.5	3.8	281	7	US-11-056-355B-41304	Sequence 41304, A	1110	79	3.7	478	7	US-11-293-697-4011	Sequence 4011, Ap
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1045	79.5	3.8	404	7	US-11-056-355B-85527	Sequence 85527, A	1120	79	3.7	624	6	US-10-374-780A-1466	Sequence 1466, Ap
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1047	79.5	3.8	411	7	US-11-056-355B-100925	Sequence 100925,	1122	79	3.7	650	7	US-11-056-355B-79981	Sequence 79981, A
1048	79.5	3.8	411	7	US-11-056-355B-112164	Sequence 112164,	1123	79	3.7	751	6	US-10-449-902-31504	Sequence 31504, A
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1130	79	3.7	795	6	US-10-449-902-44893	Sequence 44893, A	1203	78.5	3.7	592	7	US-11-301-554-1809	Sequence 1809, Ap
1131	79	3.7	795	7	US-11-056-355B-97734	Sequence 97734, A	1204	78.5	3.7	592	7	US-11-289-102-246	Sequence 246, App
1132	79	3.7	795	7	US-11-056-355B-108973	Sequence 108973, A	1205	78.5	3.7	606	7	US-11-219-635-6	Sequence 6, Appli
1133	79	3.7	797	6	US-10-953-349-10578	Sequence 10578, A	1206	78.5	3.7	621	6	US-10-449-902-52809	Sequence 52809, A
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1135	79	3.7	846	6	US-10-449-902-46609	Sequence 46609, A	1208	78.5	3.7	629	6	US-10-449-902-47094	Sequence 47094, A
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1138	79	3.7	896	7	US-11-056-355B-93367	Sequence 93367, A	1211	78.5	3.7	721	7	US-11-219-635-5	Sequence 5, Appli
1139	79	3.7	964	7	US-11-056-355B-89610	Sequence 89610, A	1212	78.5	3.7	736	6	US-10-511-455-56	Sequence 56, Appl
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1141	79	3.7	972	7	US-11-253-453-1	Sequence 1, Appli	1214	78.5	3.7	760	6	US-10-449-902-43349	Sequence 43349, A
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1144	79	3.7	1011	7	US-11-220-785A-27	Sequence 27, Appl	1217	78.5	3.7	823	7	US-11-056-355B-44810	Sequence 44810, A
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1148	79	3.7	1290	7	US-11-056-355B-87344	Sequence 87344, A	1221	78.5	3.7	918	7	US-11-056-355B-96635	Sequence 96635, A
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1164	78.5	3.7	429	7	US-11-330-403-12591	Sequence 12591, A	1237	78	3.7	259	6	US-10-953-349-33838	Sequence 33838, A
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1173	78.5	3.7	464	7	US-11-056-355B-59100	Sequence 59100, A	1246	78	3.7	301	7	US-11-056-355B-112378	Sequence 112378,
1174	78.5	3.7	464	7	US-11-056-355B-96293	Sequence 96293, A	1247	78	3.7	312	7	US-11-056-355B-71868	Sequence 71868, A
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1176	78.5	3.7	470	6	US-10-449-902-49609	Sequence 49609, A	1249	78	3.7	330	7	US-11-330-403-3285	Sequence 3285, Ap
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1180	78.5	3.7	475	6	US-10-953-349-20694	Sequence 20694, A	1253	78	3.7	391	7	US-11-293-697-4591	Sequence 4591, Ap
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1182	78.5	3.7	488	7	US-11-056-355B-49300	Sequence 49300, A	1255	78	3.7	405	6	US-10-953-349-23318	Sequence 23318, A
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1189	78.5	3.7	517	7	US-11-056-355B-98725	Sequence 98725, A	1262	78	3.7	473	6	US-10-449-902-44845	Sequence 44845, A
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Gapop 10.0 , Gapext 0.5

Searched: 650591 seqs, 87530628 residues

Total number of hits satisfying chosen parameters: 650591

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 1500 summaries

Database : Issued Patents_AA:*
1: /EMC_Celerra_SIDS3/ptodata/2/iaa/5 COMB.pep:*
2: /EMC_Celerra_SIDS3/ptodata/2/iaa/6 COMB.pep:*
3: /EMC_Celerra_SIDS3/ptodata/2/iaa/7 COMB.pep:*
4: /EMC_Celerra_SIDS3/ptodata/2/iaa/H COMB.pep:*
5: /EMC_Celerra_SIDS3/ptodata/2/iaa/PCTUS COMB.pep:*
6: /EMC_Celerra_SIDS3/ptodata/2/iaa/RE COMB.pep:*
7: /EMC_Celerra_SIDS3/ptodata/2/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2109	100.0	409	2	US-09-991-181-158 Sequence 158, App
2	2109	100.0	409	2	US-09-990-444-158 Sequence 158, App
3	2109	100.0	409	2	US-09-997-333-158 Sequence 158, App
4	2109	100.0	409	2	US-09-992-598-158 Sequence 158, App
5	2109	100.0	409	2	US-09-989-735-158 Sequence 158, App
6	2109	100.0	409	3	US-09-989-726-158 Sequence 158, App
7	2109	100.0	409	3	US-09-997-514-158 Sequence 158, App
8	2109	100.0	409	3	US-09-989-728-158 Sequence 158, App
9	2109	100.0	409	3	US-09-997-349-158 Sequence 158, App
10	2109	100.0	409	3	US-09-989-293A-158 Sequence 158, App
11	2109	100.0	409	3	US-09-989-735-158 Sequence 158, App
12	778	36.9	151	2	US-09-621-976-3917 Sequence 3917, Ap
13	134.5	6.4	1078	2	US-09-248-796A-20284 Sequence 20284, A
14	130.5	6.2	400	2	US-09-270-767-32831 Sequence 32831, A
15	125.5	6.0	435	2	US-09-762-194-8 Sequence 8, Appli
16	125.5	6.0	435	2	US-09-762-194-10 Sequence 10, Appl
17	122.5	5.8	905	2	US-09-248-796A-16333 Sequence 16333, A
18	122	5.8	1087	2	US-09-914-259-12 Sequence 12, Appl
19	122	5.8	2482	1	US-08-328-254-6 Sequence 6, Appli
20	122	5.8	3210	2	US-09-538-092-1154 Sequence 1154, Ap
21	122	5.8	3248	1	US-08-353-700-1 Sequence 1, Appli
22	122	5.8	3248	5	PCT-US95-16216-1 Sequence 1, Appli
23	120	5.7	440	2	US-09-762-194-2 Sequence 2, Appli
24	120	5.7	440	2	US-09-762-194-4 Sequence 4, Appli
25	119	5.6	630	2	US-09-248-796A-20275 Sequence 20275, A
26	117.5	5.6	3259	2	US-09-949-016-6507 Sequence 6507, Ap

27	117	5.5	2733	2	US-09-949-016-11433 Sequence 11433, A
28	115.5	5.5	1307	2	US-09-949-016-7561 Sequence 7561, Ap
29	114.5	5.4	635	2	US-09-248-796A-23137 Sequence 23137, A
30	113	5.4	3730	2	US-09-949-016-9908 Sequence 9908, Ap
31	112	5.3	1401	2	US-09-750-590A-2 Sequence 2, Appli
32	111.5	5.3	1038	2	US-08-334-179A-2 Sequence 2, Appli
33	111.5	5.3	1038	2	US-09-908-500A-2 Sequence 2, Appli
34	111	5.3	1972	2	US-08-875-435B-4 Sequence 4, Appli
35	110.5	5.2	601	2	US-10-104-047-2566 Sequence 2566, Ap
36	110.5	5.2	1038	2	US-09-541-782-4 Sequence 4, Appli
37	110.5	5.2	1038	2	US-09-723-820-4 Sequence 4, Appli
38	110.5	5.2	1038	2	US-10-270-085-4 Sequence 4, Appli
39	110	5.2	530	2	US-08-979-608A-8 Sequence 8, Appli
40	110	5.2	530	2	US-09-517-849-8 Sequence 8, Appli
41	110	5.2	530	2	US-09-616-289-8 Sequence 8, Appli
42	110	5.2	530	2	US-09-976-740-8 Sequence 8, Appli
43	110	5.2	546	2	US-09-616-289-44 Sequence 44, Appl
44	110	5.2	546	2	US-09-976-740-44 Sequence 44, Appl
45	110	5.2	1518	2	US-09-487-558B-152 Sequence 152, App
46	110	5.2	2047	2	US-09-949-016-7404 Sequence 7404, Ap
47	109.5	5.2	447	2	US-10-104-047-2123 Sequence 2123, Ap
48	109.5	5.2	1038	2	US-08-334-179A-8 Sequence 8, Appli
49	109	5.2	975	2	US-10-094-749-2035 Sequence 2035, Ap
50	109	5.2	1972	2	US-08-875-435B-3 Sequence 3, Appli
51	108.5	5.1	747	2	US-09-949-016-6552 Sequence 6552, Ap
52	108.5	5.1	760	2	US-09-949-016-10413 Sequence 10413, A
53	108.5	5.1	1257	1	US-08-049-783-2 Sequence 2, Appli
54	108.5	5.1	1257	1	US-08-158-232-6 Sequence 6, Appli
55	108.5	5.1	1257	1	US-08-304-626-6 Sequence 6, Appli
56	108.5	5.1	1257	1	US-08-316-301A-6 Sequence 6, Appli
57	108.5	5.1	1257	1	US-08-611-928-6 Sequence 6, Appli
58	108.5	5.1	1257	2	US-09-173-891-6 Sequence 6, Appli
59	108.5	5.1	1257	2	US-09-076-137-6 Sequence 6, Appli
60	108.5	5.1	1257	2	US-09-738-363-6 Sequence 6, Appli
61	108.5	5.1	1257	5	PCT-US92-03624-6 Sequence 6, Appli
62	108.5	5.1	2662	2	US-09-595-684B-31 Sequence 31, Appl
63	108.5	5.1	2663	2	US-09-538-092-1252 Sequence 1252, Ap
64	108.5	5.1	5024	2	US-09-710-279-2964 Sequence 2964, Ap
65	108	5.1	557	2	US-08-979-608A-5 Sequence 5, Appli
66	108	5.1	557	2	US-09-517-849-5 Sequence 5, Appli
67	108	5.1	557	2	US-09-616-289-5 Sequence 5, Appli
68	108	5.1	557	2	US-09-976-740-5 Sequence 5, Appli
69	108	5.1	2954	2	US-09-150-867-1 Sequence 1, Appli
70	108	5.1	2954	3	US-09-724-584-1 Sequence 1, Appli
71	107.5	5.1	800	2	US-09-248-796A-20101 Sequence 20101, A
72	107.5	5.1	1080	2	US-09-904-380-2 Sequence 2, Appli
73	107	5.1	1009	2	US-09-248-796A-15100 Sequence 15100, A
74	106.5	5.0	558	1	US-08-285-440-6 Sequence 6, Appli
75	106.5	5.0	558	1	US-08-630-349-6 Sequence 6, Appli
76	106.5	5.0	1111	2	US-09-914-259-28 Sequence 28, Appl
77	106	5.0	487	2	US-09-538-092-83 Sequence 83, Appl
78	106	5.0	909	2	US-10-172-502-6 Sequence 6, Appli
79	106	5.0	1427	2	US-09-538-092-1044 Sequence 1044, Ap
80	105.5	5.0	582	2	US-08-334-179A-4 Sequence 4, Appli
81	105.5	5.0	1043	2	US-09-949-016-11650 Sequence 11650, A
82	105.5	5.0	1211	2	US-09-134-001C-4820 Sequence 4820, Ap
83	105.5	5.0	1261	2	US-09-080-855-2 Sequence 2, Appli
84	105.5	5.0	1261	2	US-09-566-076-2 Sequence 2, Appli
85	105.5	5.0	1979	2	US-09-949-016-6468 Sequence 6468, Ap
86	105.5	5.0	3878	2	US-09-914-259-11 Sequence 11, Appl
87	105	5.0	352	2	US-09-543-681A-6618 Sequence 6618, Ap
88	105	5.0	901	2	US-09-248-796A-14747 Sequence 14747, A
89	105	5.0	1969	2	US-09-418-710-72 Sequence 72, Appl
90	105	5.0	1969	2	US-09-839-479-71 Sequence 71, Appl
91	105	5.0	1972	2	US-09-418-710-21 Sequence 21, Appl
92	105	5.0	1972	2	US-09-839-479-21 Sequence 21, Appl
93	104.5	5.0	2329	2	US-08-755-587-16 Sequence 16, Appl
94	104.5	5.0	3418	1	US-08-639-501-2 Sequence 2, Appli
95	104.5	5.0	3418	1	US-08-603-753D-4 Sequence 4, Appli
96	104.5	5.0	3418	2	US-08-044-946-2 Sequence 2, Appli
97	104.5	5.0	3418	2	US-08-755-587-44 Sequence 44, Appl
98	104.5	5.0	3418	2	US-09-044-908-2 Sequence 2, Appli
99	104.5	5.0	3418	2	US-09-099-753-4 Sequence 4, Appli

100	104.5	5.0	3418	2	US-08-986-106-4	Sequence 4, Appli	173	101.5	4.8	1863	2	US-08-825-487A-4	Sequence 4, Appli
101	104.5	5.0	10182	2	US-09-134-001C-3159	Sequence 3159, Ap	174	101.5	4.8	1863	2	US-08-825-487A-6	Sequence 6, Appli
102	103.5	4.9	484	2	US-09-468-656A-6	Sequence 6, Appli	175	101.5	4.8	1863	2	US-09-074-476-2	Sequence 2, Appli
103	103.5	4.9	484	2	US-09-949-016-8999	Sequence 8999, Ap	176	101.5	4.8	1863	2	US-09-074-476-4	Sequence 4, Appli
104	103.5	4.9	484	2	US-09-769-787-38	Sequence 38, Appli	177	101.5	4.8	1863	2	US-09-074-476-6	Sequence 6, Appli
105	103.5	4.9	532	1	US-08-285-440-5	Sequence 5, Appli	178	101.5	4.8	1863	2	US-08-850-727-2	Sequence 2, Appli
106	103.5	4.9	532	1	US-08-630-349-5	Sequence 5, Appli	179	101.5	4.8	1863	2	US-08-989-890-16	Sequence 16, Appli
107	103.5	4.9	538	2	US-09-949-016-6479	Sequence 6479, Ap	180	101.5	4.8	1863	2	US-10-022-819-2	Sequence 2, Appli
108	103.5	4.9	541	2	US-09-949-016-7217	Sequence 7217, Ap	181	101.5	4.8	1863	2	US-09-462-401A-2	Sequence 2, Appli
109	103	4.9	360	2	US-09-248-796A-15847	Sequence 15847, A	182	101.5	4.8	1863	2	US-09-538-092-1098	Sequence 1098, Ap
110	103	4.9	400	2	US-09-248-796A-18122	Sequence 18122, A	183	101.5	4.8	1863	2	US-09-734-672A-2	Sequence 2, Appli
111	103	4.9	2285	2	US-09-308-375-2	Sequence 2, Appli	184	101.5	4.8	1863	2	US-09-734-672A-4	Sequence 4, Appli
112	103	4.9	2285	2	US-09-932-183A-2	Sequence 2, Appli	185	101.5	4.8	1863	2	US-09-734-672A-6	Sequence 6, Appli
113	102.5	4.9	577	2	US-09-315-794-32	Sequence 32, Appli	186	101.5	4.8	1863	2	US-09-923-327A-264	Sequence 264, App
114	102.5	4.9	577	2	US-09-389-341-32	Sequence 32, Appli	187	101.5	4.8	1863	2	US-09-923-327A-266	Sequence 266, App
115	102.5	4.9	577	2	US-09-538-092-369	Sequence 369, App	188	101.5	4.8	1863	2	US-09-923-327A-268	Sequence 268, App
116	102.5	4.9	697	2	US-09-248-796A-15971	Sequence 15971, A	189	101.5	4.8	1863	5	PCT-US95-10202-2	Sequence 2, Appli
117	102.5	4.9	722	2	US-09-248-796A-20613	Sequence 20613, A	190	101.5	4.8	1863	5	PCT-US95-10203-2	Sequence 2, Appli
118	102.5	4.9	1164	2	US-08-923-992A-10	Sequence 10, Appli	191	101.5	4.8	1863	5	PCT-US95-10220-2	Sequence 2, Appli
119	102	4.8	1298	2	US-09-540-236-2334	Sequence 2334, Ap	192	101	4.8	715	2	US-09-134-000C-5094	Sequence 5094, Ap
120	102	4.8	1695	2	US-09-866-108A-15753	Sequence 15753, A	193	101	4.8	715	2	US-09-248-796A-20602	Sequence 20602, A
121	102	4.8	1780	2	US-09-949-016-6899	Sequence 6899, Ap	194	101	4.8	914	2	US-10-163-214-12	Sequence 12, Appli
122	102	4.8	1786	2	US-09-949-016-7880	Sequence 7880, Ap	195	100.5	4.8	654	2	US-10-172-502-10	Sequence 10, Appli
123	101.5	4.8	399	2	US-09-270-767-48048	Sequence 48048, A	196	100.5	4.8	663	2	US-09-949-016-7198	Sequence 7198, Ap
124	101.5	4.8	663	2	US-08-196-293-5	Sequence 5, Appli	197	100.5	4.8	1164	2	US-08-923-992A-2	Sequence 2, Appli
125	101.5	4.8	663	2	US-08-209-603E-5	Sequence 5, Appli	198	100.5	4.8	1602	2	US-09-269-874A-7	Sequence 7, Appli
126	101.5	4.8	663	2	US-08-235-836C-70	Sequence 70, Appli	199	100.5	4.8	1621	2	US-09-269-874A-5	Sequence 5, Appli
127	101.5	4.8	663	2	US-08-235-836C-78	Sequence 78, Appli	200	100.5	4.8	1639	2	US-09-269-874A-3	Sequence 3, Appli
128	101.5	4.8	663	2	US-09-711-546-5	Sequence 5, Appli	201	100.5	4.8	1886	2	US-08-938-105-3	Sequence 3, Appli
129	101.5	4.8	663	2	US-10-289-795-5	Sequence 5, Appli	202	100.5	4.8	1976	2	US-09-538-092-1078	Sequence 1078, Ap
130	101.5	4.8	663	3	US-10-369-100A-70	Sequence 70, Appli	203	100	4.7	529	2	US-09-464-483-2	Sequence 2, Appli
131	101.5	4.8	663	3	US-10-369-100A-78	Sequence 78, Appli	204	100	4.7	529	2	US-09-414-664-2	Sequence 2, Appli
132	101.5	4.8	765	1	US-08-425-061-19	Sequence 19, Appli	205	100	4.7	575	2	US-09-583-110-2728	Sequence 2728, Ap
133	101.5	4.8	765	1	US-08-825-886-19	Sequence 19, Appli	206	100	4.7	587	2	US-09-107-433-2642	Sequence 2642, Ap
134	101.5	4.8	765	2	US-08-989-890-19	Sequence 19, Appli	207	100	4.7	770	2	US-10-094-749-2317	Sequence 2317, Ap
135	101.5	4.8	885	2	US-09-248-796A-14427	Sequence 14427, A	208	100	4.7	926	2	US-08-755-587-187	Sequence 187, App
136	101.5	4.8	900	1	US-08-425-061-20	Sequence 20, Appli	209	100	4.7	1581	2	US-09-866-108A-15754	Sequence 15754, A
137	101.5	4.8	900	1	US-08-825-886-20	Sequence 20, Appli	210	100	4.7	1857	2	US-09-917-254-91	Sequence 91, Appli
138	101.5	4.8	900	2	US-08-989-890-20	Sequence 20, Appli	211	100	4.7	1937	2	US-09-538-092-918	Sequence 918, App
139	101.5	4.8	914	1	US-08-425-061-21	Sequence 21, Appli	212	100	4.7	1945	2	US-09-927-597-2	Sequence 2, Appli
140	101.5	4.8	914	1	US-08-825-886-21	Sequence 21, Appli	213	100	4.7	1972	2	US-09-538-092-1084	Sequence 1084, Ap
141	101.5	4.8	914	2	US-08-989-890-21	Sequence 21, Appli	214	100	4.7	1979	2	US-09-927-597-4	Sequence 4, Appli
142	101.5	4.8	1039	2	US-09-583-110-5226	Sequence 5226, Ap	215	100	4.7	1984	2	US-09-949-016-7111	Sequence 7111, Ap
143	101.5	4.8	1098	2	US-08-923-992A-8	Sequence 8, Appli	216	100	4.7	1984	2	US-09-949-016-7112	Sequence 7112, Ap
144	101.5	4.8	1202	1	US-08-425-061-22	Sequence 22, Appli	217	100	4.7	1984	2	US-09-949-016-7113	Sequence 7113, Ap
145	101.5	4.8	1202	1	US-08-825-886-22	Sequence 22, Appli	218	100	4.7	2472	2	US-09-538-092-1312	Sequence 1312, Ap
146	101.5	4.8	1202	2	US-08-989-890-22	Sequence 22, Appli	219	99.5	4.7	1014	2	US-09-762-724-2	Sequence 2, Appli
147	101.5	4.8	1363	1	US-08-425-061-23	Sequence 23, Appli	220	99	4.7	2186	2	US-09-949-016-10828	Sequence 10828, A
148	101.5	4.8	1363	1	US-08-825-886-23	Sequence 23, Appli	221	99	4.7	2349	2	US-09-538-092-914	Sequence 914, App
149	101.5	4.8	1363	2	US-08-989-890-23	Sequence 23, Appli	222	98.5	4.7	397	2	US-09-248-796A-18882	Sequence 18882, A
150	101.5	4.8	1496	2	US-09-949-016-6796	Sequence 6796, Ap	223	98.5	4.7	551	2	US-09-538-092-448	Sequence 448, App
151	101.5	4.8	1598	2	US-09-949-016-6795	Sequence 6795, Ap	224	98.5	4.7	670	2	US-09-134-001C-2940	Sequence 2940, Ap
152	101.5	4.8	1624	2	US-09-949-016-6794	Sequence 6794, Ap	225	98.5	4.7	691	2	US-09-538-092-421	Sequence 421, App
153	101.5	4.8	1770	3	US-10-433-794-19	Sequence 19, Appli	226	98.5	4.7	1067	2	US-09-107-532A-5148	Sequence 5148, Ap
154	101.5	4.8	1821	2	US-09-949-016-11463	Sequence 11463, A	227	98.5	4.7	1095	2	US-09-710-279-3154	Sequence 3154, Ap
155	101.5	4.8	1821	2	US-09-949-016-11464	Sequence 11464, A	228	98.5	4.7	1104	2	US-08-923-992A-4	Sequence 4, Appli
156	101.5	4.8	1821	2	US-09-949-016-11465	Sequence 11465, A	229	98.5	4.7	1388	2	US-09-572-191-2	Sequence 2, Appli
157	101.5	4.8	1821	2	US-09-949-016-11466	Sequence 11466, A	230	98.5	4.7	1388	2	US-09-723-262-2	Sequence 2, Appli
158	101.5	4.8	1852	1	US-08-425-061-24	Sequence 24, Appli	231	98.5	4.7	1388	2	US-09-723-219-2	Sequence 2, Appli
159	101.5	4.8	1852	1	US-08-825-886-24	Sequence 24, Appli	232	98	4.6	732	2	US-10-160-748-6	Sequence 6, Appli
160	101.5	4.8	1852	2	US-08-989-890-24	Sequence 24, Appli	233	98	4.6	793	2	US-09-538-092-1271	Sequence 1271, Ap
161	101.5	4.8	1863	1	US-08-425-061-16	Sequence 16, Appli	234	98	4.6	887	1	US-07-867-106-3	Sequence 3, Appli
162	101.5	4.8	1863	1	US-08-598-591-2	Sequence 2, Appli	235	98	4.6	976	2	US-09-104-324B-4	Sequence 4, Appli
163	101.5	4.8	1863	1	US-08-480-784-2	Sequence 2, Appli	236	98	4.6	976	2	US-09-538-092-1339	Sequence 1339, Ap
164	101.5	4.8	1863	1	US-08-483-553-2	Sequence 2, Appli	237	98	4.6	1173	2	US-09-248-796A-19313	Sequence 19313, A
165	101.5	4.8	1863	1	US-08-487-002-2	Sequence 2, Appli	238	97.5	4.6	312	1	US-08-285-440-4	Sequence 4, Appli
166	101.5	4.8	1863	1	US-08-483-554B-2	Sequence 2, Appli	239	97.5	4.6	312	1	US-08-630-349-4	Sequence 4, Appli
167	101.5	4.8	1863	1	US-08-798-691-2	Sequence 2, Appli	240	97.5	4.6	454	2	US-09-248-796A-20204	Sequence 20204, A
168	101.5	4.8	1863	1	US-08-798-691-4	Sequence 4, Appli	241	97.5	4.6	531	2	US-09-248-796A-15957	Sequence 15957, A
169	101.5	4.8	1863	1	US-08-798-691-6	Sequence 6, Appli	242	97.5	4.6	652	2	US-08-559-896B-2	Sequence 2, Appli
170	101.5	4.8	1863	1	US-08-488-011B-2	Sequence 2, Appli	243	97.5	4.6	652	2	US-09-351-794A-2	Sequence 2, Appli
171	101.5	4.8	1863	1	US-08-825-886-16	Sequence 16, Appli	244	97.5	4.6	657	2	US-09-653-465B-2	Sequence 2, Appli
172	101.5	4.8	1863	2	US-08-825-487A-2	Sequence 2, Appli	245	97.5	4.6	705	2	US-10-094-749-2844	Sequence 2844, Ap

246	97.5	4.6	810	2	US-09-248-796A-20281	Sequence 20281, A	319	93.5	4.4	787	2	US-09-291-417D-151	Sequence 151, App
247	97	4.6	391	2	US-09-248-796A-16378	Sequence 16378, A	320	93.5	4.4	1049	2	US-09-107-532A-5966	Sequence 5966, Ap
248	97	4.6	543	2	US-08-697-610-2	Sequence 2, Appli	321	93.5	4.4	1288	2	US-09-919-039-209	Sequence 209, App
249	97	4.6	543	2	US-08-349-357-2	Sequence 2, Appli	322	93.5	4.4	2871	2	US-09-538-092-936	Sequence 936, App
250	96.5	4.6	381	2	US-09-252-991A-29970	Sequence 29970, A	323	93	4.4	476	2	US-09-978-309A-77	Sequence 77, Appl
251	96.5	4.6	667	2	US-09-538-092-442	Sequence 442, App	324	93	4.4	477	1	US-08-402-217A-3	Sequence 3, Appli
252	96.5	4.6	675	2	US-09-332-063-2	Sequence 2, Appli	325	93	4.4	477	1	US-08-700-178-3	Sequence 3, Appli
253	96.5	4.6	742	2	US-09-248-796A-19053	Sequence 19053, A	326	93	4.4	477	2	US-08-995-654-3	Sequence 3, Appli
254	96.5	4.6	1276	2	US-09-949-016-8886	Sequence 8886, Ap	327	93	4.4	606	2	US-08-477-831C-2	Sequence 2, Appli
255	96	4.6	443	2	US-09-489-039A-8591	Sequence 8591, Ap	328	93	4.4	627	2	US-09-248-796A-20614	Sequence 20614, A
256	96	4.6	513	2	US-09-248-796A-15402	Sequence 15402, A	329	93	4.4	631	2	US-08-477-831C-11	Sequence 11, Appl
257	96	4.6	544	2	US-10-094-749-2779	Sequence 2779, Ap	330	93	4.4	631	2	US-09-685-010-48	Sequence 48, Appl
258	96	4.6	550	2	US-10-104-047-3495	Sequence 3495, Ap	331	93	4.4	631	2	US-09-978-309A-48	Sequence 48, Appl
259	96	4.6	582	2	US-09-187-999-13	Sequence 13, Appl	332	93	4.4	693	2	US-08-235-836C-68	Sequence 68, Appl
260	96	4.6	683	2	US-09-543-681A-5403	Sequence 5403, Ap	333	93	4.4	693	3	US-10-369-100A-68	Sequence 68, Appl
261	96	4.6	719	2	US-09-763-902B-5	Sequence 5, Appli	334	93	4.4	756	2	US-10-164-230-63	Sequence 63, Appl
262	96	4.6	1279	2	US-09-724-517-2	Sequence 2, Appli	335	93	4.4	868	2	US-09-248-796A-16660	Sequence 16660, A
263	96	4.6	1279	2	US-09-641-807A-2	Sequence 2, Appli	336	93	4.4	891	2	US-09-134-001C-4913	Sequence 4913, Ap
264	96	4.6	1279	2	US-09-723-096-2	Sequence 2, Appli	337	93	4.4	1073	2	US-09-541-782-6	Sequence 6, Appli
265	96	4.6	1388	2	US-09-976-594-296	Sequence 2, Appli	338	93	4.4	1073	2	US-09-723-820-6	Sequence 6, Appli
266	96	4.6	3135	1	US-08-323-170B-2	Sequence 296, App	339	93	4.4	1076	2	US-09-976-594-889	Sequence 889, App
267	96	4.6	3135	2	US-08-954-441-2	Sequence 2, Appli	340	93	4.4	1076	2	US-10-270-085-6	Sequence 6, Appli
268	95.5	4.5	244	2	US-09-270-767-44820	Sequence 44820, A	341	93	4.4	1388	1	US-08-685-576-4	Sequence 4, Appli
269	95.5	4.5	373	2	US-09-949-016-6394	Sequence 6394, Ap	342	93	4.4	1805	1	US-07-853-913-2	Sequence 2, Appli
270	95.5	4.5	376	2	US-09-949-016-6394	Sequence 11659, A	343	93	4.4	2214	3	US-10-114-270-208	Sequence 208, App
271	95.5	4.5	424	2	US-09-248-796A-21323	Sequence 21323, A	344	92.5	4.4	389	2	US-09-543-681A-7496	Sequence 7496, Ap
272	95.5	4.5	488	2	US-09-248-796A-15985	Sequence 15985, A	345	92.5	4.4	466	2	US-09-248-796A-15064	Sequence 15064, A
273	95.5	4.5	517	2	US-09-849-617-2	Sequence 2, Appli	346	92.5	4.4	508	2	US-10-104-047-2186	Sequence 2186, Ap
274	95.5	4.5	591	1	US-08-736-770-5	Sequence 5, Appli	347	92.5	4.4	557	2	US-09-138-277C-3	Sequence 3, Appli
275	95.5	4.5	591	2	US-09-643-657-5	Sequence 5, Appli	348	92.5	4.4	563	2	US-09-248-796A-18632	Sequence 18632, A
276	95.5	4.5	769	2	US-09-538-092-700	Sequence 5, Appli	349	92.5	4.4	700	2	US-08-235-836C-74	Sequence 74, Appl
277	95.5	4.5	1939	2	US-09-310-187A-1	Sequence 700, App	350	92.5	4.4	700	3	US-10-369-100A-74	Sequence 74, Appl
278	95.5	4.5	1939	2	US-09-538-092-917	Sequence 1, Appli	351	92.5	4.4	886	2	US-08-956-171E-5235	Sequence 5235, Ap
279	95	4.5	510	2	US-09-270-767-46399	Sequence 917, App	352	92.5	4.4	886	2	US-08-781-986A-5235	Sequence 5235, Ap
280	95	4.5	553	2	US-09-248-796A-16152	Sequence 16152, A	353	92.5	4.4	1115	1	US-08-568-459A-2	Sequence 2, Appli
281	95	4.5	782	2	US-09-949-016-6943	Sequence 6943, Ap	354	92.5	4.4	1115	1	US-08-487-826B-2	Sequence 2, Appli
282	95	4.5	897	1	US-08-095-737-4	Sequence 4, Appli	355	92.5	4.4	1115	2	US-09-210-288-2	Sequence 2, Appli
283	95	4.5	897	1	US-08-480-145-4	Sequence 4, Appli	356	92.5	4.4	1115	2	US-10-153-273-2	Sequence 2, Appli
284	95	4.5	897	1	US-08-477-389-4	Sequence 4, Appli	357	92.5	4.4	1115	7	5198347-6	Patent No. 5198347
285	95	4.5	915	1	US-08-818-070-2	Sequence 2, Appli	358	92.5	4.4	1471	2	US-08-755-587-188	Sequence 188, App
286	95	4.5	915	1	US-08-723-585-2	Sequence 2, Appli	359	92	4.4	402	2	US-09-464-483-4	Sequence 4, Appli
287	95	4.5	915	2	US-09-583-110-3100	Sequence 3100, Ap	360	92	4.4	402	2	US-09-414-664-4	Sequence 4, Appli
288	95	4.5	924	2	US-09-248-796A-18798	Sequence 18798, A	361	92	4.4	464	2	US-10-017-754-1906	Sequence 1906, Ap
289	95	4.5	973	2	US-09-392-714-24	Sequence 24, Appl	362	92	4.4	510	2	US-08-948-564-4	Sequence 4, Appli
290	95	4.5	1048	2	US-09-356-952-5	Sequence 5, Appli	363	92	4.4	510	3	US-10-021-425-30	Sequence 30, Appl
291	95	4.5	1579	2	US-08-755-587-184	Sequence 184, App	364	92	4.4	977	2	US-09-010-147B-18	Sequence 18, Appl
292	95	4.5	1959	2	US-09-949-016-8134	Sequence 8134, Ap	365	92	4.4	1066	2	US-09-541-782-8	Sequence 8, Appli
293	94.5	4.5	558	2	US-09-138-277C-1	Sequence 1, Appli	366	92	4.4	1066	2	US-09-723-820-8	Sequence 8, Appli
294	94.5	4.5	740	2	US-10-094-749-2991	Sequence 2991, Ap	367	92	4.4	1066	2	US-10-270-085-8	Sequence 8, Appli
295	94.5	4.5	896	1	US-08-095-737-2	Sequence 2, Appli	368	92	4.4	1087	2	US-09-830-230A-322	Sequence 322, App
296	94.5	4.5	896	1	US-08-480-145-2	Sequence 2, Appli	369	92	4.4	1119	2	US-09-830-230A-321	Sequence 321, App
297	94.5	4.5	896	1	US-08-477-389-2	Sequence 2, Appli	370	92	4.4	1196	2	US-09-949-016-10065	Sequence 10065, A
298	94.5	4.5	896	2	US-09-538-092-1113	Sequence 1113, Ap	371	92	4.4	1196	2	US-09-949-016-10066	Sequence 10066, A
299	94.5	4.5	896	2	US-09-949-016-6155	Sequence 6155, Ap	372	92	4.4	1239	2	US-09-949-016-10063	Sequence 10063, A
300	94.5	4.5	926	2	US-09-949-016-10683	Sequence 10683, A	373	92	4.4	1239	2	US-09-949-016-10064	Sequence 10064, A
301	94.5	4.5	1836	2	US-09-949-016-7432	Sequence 7432, Ap	374	92	4.4	1940	2	US-09-538-092-901	Sequence 901, App
302	94	4.5	374	2	US-08-134-001C-5555	Sequence 5555, Ap	375	92	4.4	1963	2	US-09-949-016-8888	Sequence 8888, Ap
303	94	4.5	447	2	US-08-961-083-182	Sequence 182, App	376	92	4.4	2186	1	US-08-822-445-2	Sequence 2, Appli
304	94	4.5	447	2	US-09-536-784-182	Sequence 182, App	377	92	4.4	2186	2	US-09-396-540-2	Sequence 2, Appli
305	94	4.5	447	2	US-09-765-271-182	Sequence 182, App	378	91.5	4.3	267	2	US-09-248-796A-16404	Sequence 16404, A
306	94	4.5	447	2	US-09-765-272A-182	Sequence 182, App	379	91.5	4.3	304	2	US-09-695-458-3	Sequence 3, Appli
307	94	4.5	693	2	US-08-235-836C-72	Sequence 72, Appl	380	91.5	4.3	331	2	US-09-695-458-2	Sequence 2, Appli
308	94	4.5	693	3	US-10-369-100A-72	Sequence 72, Appl	381	91.5	4.3	442	2	US-09-134-001C-3033	Sequence 3033, Ap
309	94	4.5	898	2	US-09-688-188B-22	Sequence 22, Appl	382	91.5	4.3	503	2	US-09-107-433-2888	Sequence 2888, Ap
310	94	4.5	898	2	US-09-291-417D-22	Sequence 22, Appl	383	91.5	4.3	789	2	US-09-002-285-100	Sequence 100, App
311	94	4.5	898	2	US-09-771-161A-260	Sequence 260, App	384	91.5	4.3	789	2	US-10-589-477-100	Sequence 100, App
312	94	4.5	899	2	US-09-248-796A-19542	Sequence 19542, A	385	91.5	4.3	789	2	US-10-099-285A-100	Sequence 100, App
313	94	4.5	1245	2	US-09-543-681A-5592	Sequence 5592, Ap	386	91.5	4.3	898	2	US-10-449-315-11	Sequence 11, Appl
314	94	4.5	1938	2	US-09-949-016-6417	Sequence 6417, Ap	387	91.5	4.3	994	2	US-09-949-016-6779	Sequence 6779, Ap
315	93.5	4.4	487	2	US-09-107-532A-4946	Sequence 4946, Ap	388	91.5	4.3	1055	2	US-09-949-016-9776	Sequence 9776, Ap
316	93.5	4.4	539	2	US-09-270-767-43655	Sequence 43655, A	389	91.5	4.3	1863	1	US-08-603-753D-2	Sequence 2, Appli
317	93.5	4.4	626	2	US-10-094-749-2385	Sequence 2385, Ap	390	91.5	4.3	1863	2	US-09-099-753-2	Sequence 2, Appli
318	93.5	4.4	787	2	US-09-688-188B-151	Sequence 151, App	391	91.5	4.3	1863	2	US-08-986-106-2	Sequence 2, Appli

392	91.5	4.3	1863	2	US-09-007-678B-49	Sequence 49, Appl	465	89.5	4.2	1194	2	US-09-098-310-2	Sequence 2, Appl
393	91.5	4.3	1935	2	US-09-538-092-916	Sequence 916, App	466	89.5	4.2	1194	2	US-09-538-092-825	Sequence 825, App
394	91.5	4.3	1944	2	US-09-949-016-10929	Sequence 10929, A	467	89.5	4.2	1194	2	US-09-949-016-6030	Sequence 6030, Ap
395	91.5	4.3	4377	2	US-09-949-016-6978	Sequence 6978, Ap	468	89.5	4.2	1237	2	US-09-949-016-6842	Sequence 6842, Ap
396	91	4.3	241	2	US-09-248-796A-14548	Sequence 14548, A	469	89.5	4.2	1939	2	US-09-949-016-6925	Sequence 6925, Ap
397	91	4.3	331	2	US-09-107-433-3308	Sequence 3308, Ap	470	89.5	4.2	3913	2	US-09-949-016-10933	Sequence 10933, A
398	91	4.3	429	2	US-09-248-796A-14642	Sequence 14642, A	471	89	4.2	222	1	US-08-933-750C-41	Sequence 41, Appl
399	91	4.3	464	2	US-09-134-000C-6350	Sequence 6350, Ap	472	89	4.2	222	2	US-09-234-613-41	Sequence 41, Appl
400	91	4.3	800	2	US-09-949-016-7703	Sequence 7703, Ap	473	89	4.2	285	2	US-09-583-110-4256	Sequence 4256, Ap
401	91	4.3	878	2	US-09-134-001C-4378	Sequence 4378, Ap	474	89	4.2	286	2	US-09-107-433-4607	Sequence 4607, Ap
402	91	4.3	984	1	US-08-242-932-2	Sequence 2, Appli	475	89	4.2	422	1	US-08-485-938A-34	Sequence 34, Appl
403	91	4.3	984	1	US-08-714-481-2	Sequence 2, Appli	476	89	4.2	468	2	US-09-710-279-2242	Sequence 2242, Ap
404	91	4.3	984	5	PCT-US95-06111-2	Sequence 2, Appli	477	89	4.2	490	2	US-09-710-279-872	Sequence 872, App
405	91	4.3	1005	2	US-09-949-016-6391	Sequence 6391, Ap	478	89	4.2	531	2	US-09-248-796A-19139	Sequence 19139, A
406	91	4.3	1388	1	US-08-685-576-1	Sequence 1, Appli	479	89	4.2	642	2	US-09-337-307A-3	Sequence 3, Appli
407	91	4.3	1494	2	US-08-755-587-186	Sequence 186, App	480	89	4.2	642	2	US-09-337-307A-4	Sequence 4, Appli
408	91	4.3	1539	2	US-09-949-016-9653	Sequence 9653, Ap	481	89	4.2	660	2	US-09-583-110-3976	Sequence 3976, Ap
409	91	4.3	3696	2	US-09-134-001C-5080	Sequence 5080, Ap	482	89	4.2	783	2	US-09-248-796A-17935	Sequence 17935, A
410	90.5	4.3	238	2	US-09-270-767-56745	Sequence 56745, A	483	89	4.2	792	2	US-09-248-796A-18842	Sequence 18842, A
411	90.5	4.3	284	2	US-09-914-259-53	Sequence 53, Appl	484	89	4.2	811	2	US-09-248-796A-18641	Sequence 18641, A
412	90.5	4.3	284	2	US-09-914-259-54	Sequence 54, Appl	485	89	4.2	835	1	US-08-968-751-4	Sequence 4, Appli
413	90.5	4.3	284	2	US-09-538-092-871	Sequence 871, App	486	89	4.2	852	2	US-09-248-796A-14890	Sequence 14890, A
414	90.5	4.3	430	2	US-09-248-796A-14556	Sequence 14556, A	487	89	4.2	890	2	US-09-849-602-19	Sequence 19, Appl
415	90.5	4.3	471	2	US-09-134-001C-3150	Sequence 3150, Ap	488	89	4.2	939	2	US-10-094-749-1895	Sequence 1895, Ap
416	90.5	4.3	686	2	US-09-248-796A-17699	Sequence 17699, A	489	89	4.2	1050	2	US-09-538-092-131	Sequence 131, App
417	90.5	4.3	720	2	US-10-094-749-2417	Sequence 2417, Ap	490	89	4.2	1197	2	US-09-618-425-2	Sequence 2, Appli
418	90.5	4.3	928	2	US-09-914-259-23	Sequence 23, Appl	491	89	4.2	1274	2	US-09-095-443-2	Sequence 2, Appli
419	90.5	4.3	1051	2	US-08-965-762-14	Sequence 14, Appl	492	89	4.2	1636	3	US-10-433-794-1	Sequence 1, Appli
420	90.5	4.3	1051	2	US-09-911-927-14	Sequence 14, Appl	493	89	4.2	1676	2	US-09-949-016-7610	Sequence 7610, Ap
421	90.5	4.3	1051	2	US-09-911-883-14	Sequence 14, Appl	494	89	4.2	3433	2	US-09-538-092-1136	Sequence 1136, Ap
422	90.5	4.3	1051	2	US-09-911-888-14	Sequence 14, Appl	495	88.5	4.2	285	1	US-08-393-985-2	Sequence 2, Appli
423	90.5	4.3	1310	2	US-10-373-090A-1	Sequence 1, Appli	496	88.5	4.2	288	1	US-08-337-602-4	Sequence 4, Appli
424	90.5	4.3	1513	5	PCT-US93-03076-2	Sequence 2, Appli	497	88.5	4.2	288	2	US-08-558-135-4	Sequence 4, Appli
425	90.5	4.3	1673	2	US-09-418-710-70	Sequence 70, Appl	498	88.5	4.2	288	2	US-08-819-286-3	Sequence 3, Appli
426	90.5	4.3	1673	2	US-09-839-479-69	Sequence 69, Appl	499	88.5	4.2	363	2	US-09-898-554-20	Sequence 20, Appl
427	90.5	4.3	2777	2	US-09-543-681A-6124	Sequence 6124, Ap	500	88.5	4.2	430	2	US-09-071-035-274	Sequence 274, App
428	90	4.3	112	1	US-08-933-750C-43	Sequence 43, Appl	501	88.5	4.2	430	2	US-10-206-576-274	Sequence 274, App
429	90	4.3	112	2	US-09-234-613-43	Sequence 43, Appl	502	88.5	4.2	466	2	US-10-104-047-2410	Sequence 2410, Ap
430	90	4.3	255	2	US-09-107-532A-6662	Sequence 6662, Ap	503	88.5	4.2	477	2	US-09-134-000C-6123	Sequence 6123, Ap
431	90	4.3	300	2	US-09-509-738C-2	Sequence 2, Appli	504	88.5	4.2	496	2	US-09-543-681A-6465	Sequence 6465, Ap
432	90	4.3	408	2	US-09-328-352-6550	Sequence 6550, Ap	505	88.5	4.2	559	2	US-09-487-558B-256	Sequence 256, App
433	90	4.3	534	2	US-09-103-664A-2	Sequence 2, Appli	506	88.5	4.2	592	2	US-09-248-796A-15425	Sequence 15425, A
434	90	4.3	556	2	US-09-248-796A-23187	Sequence 23187, A	507	88.5	4.2	629	2	US-09-300-909-19	Sequence 19, Appl
435	90	4.3	563	2	US-09-252-991A-31048	Sequence 31048, A	508	88.5	4.2	883	2	US-09-248-796A-18931	Sequence 18931, A
436	90	4.3	611	2	US-09-710-279-2586	Sequence 2586, Ap	509	88.5	4.2	885	2	US-09-710-279-1660	Sequence 1660, Ap
437	90	4.3	619	2	US-09-636-791A-15	Sequence 15, Appl	510	88.5	4.2	909	2	US-09-248-796A-16165	Sequence 16165, A
438	90	4.3	628	2	US-08-656-034-2	Sequence 2, Appli	511	88.5	4.2	915	2	US-09-907-794A-34	Sequence 34, Appl
439	90	4.3	714	2	US-09-438-185A-289	Sequence 289, App	512	88.5	4.2	915	2	US-09-905-125A-34	Sequence 34, Appl
440	90	4.3	793	2	US-09-949-016-8365	Sequence 8365, Ap	513	88.5	4.2	915	2	US-09-902-775A-34	Sequence 34, Appl
441	90	4.3	889	2	US-09-336-447A-15	Sequence 15, Appl	514	88.5	4.2	915	2	US-09-906-700-34	Sequence 34, Appl
442	90	4.3	889	2	US-09-952-267B-15	Sequence 15, Appl	515	88.5	4.2	915	2	US-09-903-603A-34	Sequence 34, Appl
443	90	4.3	903	1	US-08-021-601-12	Sequence 12, Appl	516	88.5	4.2	915	2	US-09-904-920A-34	Sequence 34, Appl
444	90	4.3	903	3	US-08-082-849B-12	Sequence 12, Appl	517	88.5	4.2	915	2	US-09-909-064-34	Sequence 34, Appl
445	90	4.3	936	5	PCT-US94-01624-12	Sequence 12, Appl	518	88.5	4.2	915	2	US-09-905-381A-34	Sequence 34, Appl
446	90	4.3	936	2	US-10-104-047-2621	Sequence 2621, Ap	519	88.5	4.2	915	2	US-09-906-618-34	Sequence 34, Appl
447	90	4.3	1674	2	US-09-418-710-1	Sequence 1, Appli	520	88.5	4.2	915	2	US-09-906-646-34	Sequence 34, Appl
448	90	4.3	1674	2	US-09-839-479-1	Sequence 1, Appli	521	88.5	4.2	915	2	US-09-904-462-34	Sequence 34, Appl
449	89.5	4.2	405	2	US-10-094-749-3191	Sequence 3191, Ap	522	88.5	4.2	915	2	US-09-902-736A-34	Sequence 34, Appl
450	89.5	4.2	409	2	US-09-248-796A-14525	Sequence 14525, A	523	88.5	4.2	915	2	US-09-906-722A-34	Sequence 34, Appl
451	89.5	4.2	454	2	US-09-679-263-12	Sequence 12, Appl	524	88.5	4.2	915	2	US-09-905-449-34	Sequence 34, Appl
452	89.5	4.2	454	2	US-09-134-000C-6535	Sequence 6535, Ap	525	88.5	4.2	915	2	US-09-903-562B-34	Sequence 34, Appl
453	89.5	4.2	540	2	US-10-094-749-1654	Sequence 1654, Ap	526	88.5	4.2	915	2	US-09-906-679A-34	Sequence 34, Appl
454	89.5	4.2	542	2	US-09-107-532A-4858	Sequence 4858, Ap	527	88.5	4.2	915	3	US-09-907-841-34	Sequence 34, Appl
455	89.5	4.2	570	2	US-09-134-001C-2972	Sequence 2972, Ap	528	88.5	4.2	949	2	US-09-252-991A-30776	Sequence 30776, A
456	89.5	4.2	644	2	US-09-300-909-18	Sequence 18, Appl	529	88.5	4.2	1001	2	US-09-060-410-2	Sequence 2, Appli
457	89.5	4.2	649	2	US-09-538-092-1357	Sequence 1357, Ap	530	88.5	4.2	1001	2	US-09-723-458-2	Sequence 2, Appli
458	89.5	4.2	675	2	US-09-332-063-3	Sequence 3, Appli	531	88.5	4.2	1083	2	US-09-538-092-812	Sequence 812, App
459	89.5	4.2	713	2	US-09-949-016-10902	Sequence 10902, A	532	88.5	4.2	1128	2	US-08-923-992A-6	Sequence 6, Appli
460	89.5	4.2	775	2	US-09-248-796A-17675	Sequence 17675, A	533	88.5	4.2	1901	2	US-09-738-946-12	Sequence 12, Appl
461	89.5	4.2	1044	2	US-09-107-532A-5229	Sequence 5229, Ap	534	88	4.2	265	2	US-09-538-092-71	Sequence 71, Appl
462	89.5	4.2	1194	2	US-09-092-508-2	Sequence 2, Appli	535	88	4.2	319	2	US-09-270-767-57927	Sequence 57927, A
463	89.5	4.2	1194	2	US-09-435-115-2	Sequence 2, Appli	536	88	4.2	363	2	US-09-270-767-42613	Sequence 42613, A
464	89.5	4.2	1194	2	US-09-069-023-26	Sequence 26, Appl	537	88	4.2	498	2	US-09-198-452A-143	Sequence 143, App

538	88	4.2	526	2	US-09-538-092-408	Sequence 408, App	611	87	4.1	932	2	US-09-708-200-11	Sequence 11, Appl
539	88	4.2	599	2	US-09-352-990-10	Sequence 10, Appl	612	87	4.1	932	2	US-08-465-679-4	Sequence 4, Appl
540	88	4.2	799	2	US-09-248-796A-19295	Sequence 19295, A	613	87	4.1	932	2	US-09-788-657-17	Sequence 17, Appl
541	88	4.2	820	2	US-09-252-991A-23346	Sequence 23346, A	614	87	4.1	932	2	US-09-788-657-18	Sequence 18, Appl
542	88	4.2	941	2	US-09-336-447A-9	Sequence 9, Appl	615	87	4.1	932	2	US-09-712-691-9	Sequence 9, Appl
543	88	4.2	941	2	US-09-952-267B-9	Sequence 9, Appl	616	87	4.1	932	2	US-09-707-468C-9	Sequence 9, Appl
544	88	4.2	1002	2	US-09-762-724-4	Sequence 4, Appl	617	87	4.1	932	2	US-10-641-068-17	Sequence 17, Appl
545	88	4.2	1224	2	US-09-252-991A-32880	Sequence 32880, A	618	87	4.1	932	2	US-10-641-068-18	Sequence 18, Appl
546	88	4.2	1240	2	US-09-538-092-658	Sequence 658, App	619	87	4.1	932	2	US-09-760-285-18	Sequence 18, Appl
547	88	4.2	1244	2	US-09-949-016-11702	Sequence 11702, A	620	87	4.1	947	2	US-09-418-780A-1	Sequence 1, Appl
548	88	4.2	1516	2	US-09-949-016-6951	Sequence 6951, Ap	621	87	4.1	947	2	US-09-392-714-23	Sequence 23, Appl
549	88	4.2	1711	2	US-09-771-161A-219	Sequence 219, App	622	87	4.1	975	2	US-09-914-259-19	Sequence 19, Appl
550	88	4.2	1711	2	US-09-771-161A-220	Sequence 220, App	623	87	4.1	1003	2	US-09-198-452A-17	Sequence 17, Appl
551	87.5	4.1	257	2	US-09-328-352-7049	Sequence 7049, Ap	624	87	4.1	1010	2	US-09-134-001C-5178	Sequence 5178, Ap
552	87.5	4.1	284	2	US-09-914-259-52	Sequence 52, Appl	625	87	4.1	1338	2	US-09-248-796A-16051	Sequence 16051, A
553	87.5	4.1	335	2	US-09-248-796A-14317	Sequence 14317, A	626	87	4.1	3672	1	US-08-822-445-12	Sequence 12, Appl
554	87.5	4.1	342	2	US-09-543-681A-4728	Sequence 4728, Ap	627	87	4.1	3672	2	US-09-396-540-12	Sequence 12, Appl
555	87.5	4.1	401	2	US-09-533-029-80	Sequence 80, Appl	628	87	4.1	3801	1	US-08-822-445-10	Sequence 10, Appl
556	87.5	4.1	404	2	US-10-017-754-1932	Sequence 1932, Ap	629	87	4.1	3801	2	US-09-396-540-10	Sequence 10, Appl
557	87.5	4.1	461	2	US-09-949-016-6393	Sequence 6393, Ap	630	86.5	4.1	324	2	US-09-248-796A-20010	Sequence 20010, A
558	87.5	4.1	464	2	US-10-017-754-1934	Sequence 1934, Ap	631	86.5	4.1	401	2	US-10-104-047-2680	Sequence 2680, Ap
559	87.5	4.1	464	2	US-10-104-047-3563	Sequence 3563, Ap	632	86.5	4.1	422	2	US-09-949-016-7927	Sequence 7927, Ap
560	87.5	4.1	489	2	US-09-248-796A-19030	Sequence 19030, A	633	86.5	4.1	441	2	US-08-630-915A-34	Sequence 34, Appl
561	87.5	4.1	529	2	US-09-248-796A-16357	Sequence 16357, A	634	86.5	4.1	441	2	US-09-879-957-34	Sequence 34, Appl
562	87.5	4.1	556	2	US-10-012-896-1005	Sequence 1005, Ap	635	86.5	4.1	452	2	US-09-889-738-21	Sequence 21, Appl
563	87.5	4.1	556	3	US-10-144-678A-1005	Sequence 1005, Ap	636	86.5	4.1	568	2	US-09-949-016-6339	Sequence 6339, Ap
564	87.5	4.1	564	2	US-10-012-819-90	Sequence 90, Appl	637	86.5	4.1	568	2	US-08-813-323C-2	Sequence 2, Appl
565	87.5	4.1	600	2	US-10-104-047-3845	Sequence 3845, Ap	638	86.5	4.1	629	2	US-10-104-047-3226	Sequence 3226, Ap
566	87.5	4.1	644	2	US-09-710-279-1436	Sequence 1436, Ap	639	86.5	4.1	643	2	US-09-602-864-13	Sequence 13, Appl
567	87.5	4.1	708	2	US-08-235-836C-76	Sequence 76, Appl	640	86.5	4.1	643	3	US-10-032-162-13	Sequence 13, Appl
568	87.5	4.1	708	3	US-10-369-100A-76	Sequence 76, Appl	641	86.5	4.1	672	2	US-09-438-185A-587	Sequence 587, App
569	87.5	4.1	770	2	US-09-538-092-1265	Sequence 1265, Ap	642	86.5	4.1	712	1	US-08-468-576B-17	Sequence 17, Appl
570	87.5	4.1	822	2	US-09-886-319A-64	Sequence 64, Appl	643	86.5	4.1	712	1	US-08-468-579B-17	Sequence 17, Appl
571	87.5	4.1	822	2	US-09-538-092-941	Sequence 941, App	644	86.5	4.1	712	2	US-08-468-577B-17	Sequence 17, Appl
572	87.5	4.1	853	2	US-08-913-880C-17	Sequence 17, Appl	645	86.5	4.1	740	1	US-08-257-073-5	Sequence 5, Appl
573	87.5	4.1	855	2	US-09-107-532A-5646	Sequence 5646, Ap	646	86.5	4.1	786	2	US-09-688-188B-23	Sequence 23, Appl
574	87.5	4.1	855	2	US-09-248-796A-18667	Sequence 18667, A	647	86.5	4.1	786	2	US-09-291-417D-23	Sequence 23, Appl
575	87.5	4.1	858	2	US-08-913-880C-16	Sequence 16, Appl	648	86.5	4.1	1001	2	US-09-688-188B-31	Sequence 31, Appl
576	87.5	4.1	860	2	US-08-913-880C-15	Sequence 15, Appl	649	86.5	4.1	1001	2	US-09-291-417D-31	Sequence 31, Appl
577	87.5	4.1	862	2	US-08-913-880C-14	Sequence 14, Appl	650	86.5	4.1	1068	2	US-09-085-199B-11	Sequence 11, Appl
578	87.5	4.1	865	2	US-08-913-880C-13	Sequence 13, Appl	651	86.5	4.1	1341	2	US-09-248-796A-19074	Sequence 19074, A
579	87.5	4.1	866	2	US-08-913-880C-12	Sequence 12, Appl	652	86.5	4.1	1799	2	US-09-134-000C-5178	Sequence 5178, Ap
580	87.5	4.1	874	2	US-08-913-880C-11	Sequence 11, Appl	653	86.5	4.1	8991	2	US-08-714-741-32	Sequence 32, Appl
581	87.5	4.1	875	2	US-08-913-880C-10	Sequence 10, Appl	654	86	4.1	259	2	US-09-509-738C-25	Sequence 25, Appl
582	87.5	4.1	892	2	US-09-336-447A-5	Sequence 5, Appl	655	86	4.1	289	2	US-09-248-796A-14344	Sequence 14344, A
583	87.5	4.1	892	2	US-09-952-267B-5	Sequence 5, Appl	656	86	4.1	369	2	US-09-949-016-7624	Sequence 7624, Ap
584	87.5	4.1	916	2	US-10-104-047-2297	Sequence 2297, Ap	657	86	4.1	389	2	US-09-248-796A-17305	Sequence 17305, A
585	87.5	4.1	916	3	US-09-430-590B-114	Sequence 114, App	658	86	4.1	407	2	US-09-198-452A-805	Sequence 805, App
586	87.5	4.1	916	3	US-09-952-267B-5	Sequence 22, Appl	659	86	4.1	407	2	US-09-438-185A-757	Sequence 757, App
587	87.5	4.1	1239	2	US-10-076-622-577	Sequence 577, App	660	86	4.1	423	2	US-09-538-092-438	Sequence 438, App
588	87.5	4.1	1239	2	US-10-124-805-577	Sequence 577, App	661	86	4.1	429	2	US-09-248-796A-19384	Sequence 19384, A
589	87.5	4.1	1312	1	US-08-592-126-148	Sequence 148, App	662	86	4.1	449	2	US-09-248-796A-18784	Sequence 18784, A
590	87.5	4.1	1312	1	US-08-687-080-51	Sequence 51, Appl	663	86	4.1	451	2	US-09-642-000-2	Sequence 2, Appl
591	87.5	4.1	1312	2	US-09-168-595-148	Sequence 148, App	664	86	4.1	524	2	US-09-242-913B-15	Sequence 15, Appl
592	87.5	4.1	1315	2	US-08-913-880C-1	Sequence 1, Appl	665	86	4.1	524	3	US-10-347-252-15	Sequence 15, Appl
593	87.5	4.1	1405	2	US-09-438-185A-566	Sequence 566, App	666	86	4.1	654	2	US-09-949-016-8841	Sequence 8841, Ap
594	87.5	4.1	1942	2	US-09-949-016-8135	Sequence 8135, Ap	667	86	4.1	654	2	US-09-949-016-8842	Sequence 8842, Ap
595	87.5	4.1	2375	2	US-09-538-092-1131	Sequence 1131, Ap	668	86	4.1	713	2	US-09-059-584-49	Sequence 49, Appl
596	87	4.1	246	2	US-09-248-796A-19220	Sequence 19220, A	669	86	4.1	716	2	US-09-219-983A-20	Sequence 20, Appl
597	87	4.1	263	1	US-08-393-985-23	Sequence 23, Appl	670	86	4.1	716	2	US-10-114-774-20	Sequence 20, Appl
598	87	4.1	448	2	US-09-248-796A-20279	Sequence 20279, A	671	86	4.1	746	1	US-08-838-219B-6	Sequence 6, Appl
599	87	4.1	486	2	US-09-270-767-41521	Sequence 41521, A	672	86	4.1	746	2	US-09-233-336A-6	Sequence 6, Appl
600	87	4.1	563	2	US-09-134-001C-2916	Sequence 2916, Ap	673	86	4.1	746	2	US-09-233-752A-6	Sequence 6, Appl
601	87	4.1	569	2	US-09-489-039A-12509	Sequence 12509, A	674	86	4.1	746	2	US-09-402-036-6	Sequence 6, Appl
602	87	4.1	572	2	US-09-602-777A-68	Sequence 68, Appl	675	86	4.1	746	2	US-09-904-226-6	Sequence 6, Appl
603	87	4.1	584	2	US-09-602-777A-66	Sequence 66, Appl	676	86	4.1	822	2	US-09-248-796A-19917	Sequence 19917, A
604	87	4.1	623	2	US-10-104-047-2547	Sequence 2547, Ap	677	86	4.1	962	3	US-10-627-311-3	Sequence 3, Appl
605	87	4.1	861	2	US-09-107-532A-5985	Sequence 5985, Ap	678	86	4.1	1008	2	US-09-248-796A-16973	Sequence 16973, A
606	87	4.1	885	2	US-09-074-579-5	Sequence 5, Appl	679	86	4.1	1031	2	US-09-914-259-24	Sequence 24, Appl
607	87	4.1	885	2	US-09-388-774-5	Sequence 5, Appl	680	86	4.1	1402	2	US-09-248-796A-14503	Sequence 14503, A
608	87	4.1	921	2	US-09-949-016-7787	Sequence 7787, Ap	681	86	4.1	1589	2	US-09-356-952-4	Sequence 4, Appl
609	87	4.1	932	2	US-08-294-312B-4	Sequence 4, Appl	682	86	4.1	1589	2	US-09-487-558B-64	Sequence 64, Appl
610	87	4.1	932	2	US-08-468-024B-4	Sequence 4, Appl	683	86	4.1	2124	2	US-09-538-092-1377	Sequence 1377, Ap

684	85.5	4.1	187	2	US-09-830-230A-640	Sequence 640, App	757	84.5	4.0	461	2	US-09-171-156A-27	Sequence 27, Appl
685	85.5	4.1	208	2	US-09-830-230A-639	Sequence 639, App	758	84.5	4.0	461	2	US-09-004-730A-27	Sequence 27, Appl
686	85.5	4.1	300	2	US-10-111-109A-2	Sequence 2, Appli	759	84.5	4.0	461	2	US-08-981-799A-27	Sequence 27, Appl
687	85.5	4.1	312	2	US-09-270-767-42365	Sequence 42365, A	760	84.5	4.0	461	2	US-09-248-796A-15217	Sequence 15217, A
688	85.5	4.1	324	2	US-09-710-279-640	Sequence 640, App	761	84.5	4.0	477	2	US-09-248-796A-19892	Sequence 19892, A
689	85.5	4.1	380	2	US-09-125-031C-12	Sequence 12, Appl	762	84.5	4.0	484	2	US-10-104-047-3381	Sequence 3381, Ap
690	85.5	4.1	464	2	US-09-583-110-3968	Sequence 3968, Ap	763	84.5	4.0	491	2	US-08-740-223A-13	Sequence 13, Appl
691	85.5	4.1	468	2	US-09-107-433-4005	Sequence 4005, Ap	764	84.5	4.0	491	2	US-09-709-188-13	Sequence 13, Appl
692	85.5	4.1	490	2	US-09-976-594-314	Sequence 314, App	765	84.5	4.0	491	2	US-10-225-060-13	Sequence 13, Appl
693	85.5	4.1	490	2	US-09-905-999-23	Sequence 23, Appl	766	84.5	4.0	501	2	US-09-248-796A-16289	Sequence 16289, A
694	85.5	4.1	503	2	US-09-543-681A-7512	Sequence 7512, Ap	767	84.5	4.0	552	2	US-09-710-279-1182	Sequence 1182, Ap
695	85.5	4.1	508	2	US-09-949-016-8519	Sequence 8519, Ap	768	84.5	4.0	657	2	US-10-104-047-2005	Sequence 2005, Ap
696	85.5	4.1	508	2	US-09-949-016-8520	Sequence 8520, Ap	769	84.5	4.0	694	2	US-09-949-016-7117	Sequence 7117, Ap
697	85.5	4.1	508	2	US-09-769-787-102	Sequence 102, App	770	84.5	4.0	736	2	US-09-134-001C-3655	Sequence 3655, Ap
698	85.5	4.1	515	2	US-09-248-796A-20270	Sequence 20270, A	771	84.5	4.0	737	2	US-09-583-110-4156	Sequence 4156, Ap
699	85.5	4.1	548	2	US-09-352-990-12	Sequence 12, Appl	772	84.5	4.0	751	2	US-09-107-433-4728	Sequence 4728, Ap
700	85.5	4.1	555	2	US-09-489-039A-10752	Sequence 10752, A	773	84.5	4.0	790	2	US-09-538-092-125	Sequence 125, App
701	85.5	4.1	586	2	US-09-270-767-44444	Sequence 44444, A	774	84.5	4.0	867	2	US-09-540-236-2676	Sequence 2676, Ap
702	85.5	4.1	608	2	US-09-315-793-22	Sequence 22, Appl	775	84.5	4.0	910	2	US-09-623-326-8	Sequence 8, Appli
703	85.5	4.1	614	2	US-09-583-110-5301	Sequence 5301, Ap	776	84.5	4.0	956	2	US-09-949-016-6215	Sequence 6215, Ap
704	85.5	4.1	622	2	US-10-094-749-2094	Sequence 2094, Ap	777	84.5	4.0	959	3	US-10-000-512-10	Sequence 10, Appl
705	85.5	4.1	627	2	US-09-107-433-4648	Sequence 4648, Ap	778	84.5	4.0	1004	2	US-09-767-215-2	Sequence 2, Appli
706	85.5	4.1	640	2	US-09-949-016-7992	Sequence 7992, Ap	779	84.5	4.0	1106	2	US-09-248-796A-15028	Sequence 15028, A
707	85.5	4.1	640	2	US-10-172-502-16	Sequence 16, Appl	780	84.5	4.0	1125	2	US-09-900-920-60	Sequence 60, Appl
708	85.5	4.1	677	2	US-09-328-352-4365	Sequence 4365, Ap	781	84.5	4.0	1139	2	US-09-914-259-68	Sequence 68, Appl
709	85.5	4.1	688	2	US-10-094-749-1928	Sequence 1928, Ap	782	84.5	4.0	1201	2	US-09-098-901-2	Sequence 2, Appli
710	85.5	4.1	695	1	US-08-127-499A-23	Sequence 23, Appl	783	84.5	4.0	1201	2	US-09-328-352-5890	Sequence 5890, Ap
711	85.5	4.1	695	1	US-08-482-847-23	Sequence 23, Appl	784	84.5	4.0	1786	2	US-08-973-462-8	Sequence 8, Appli
712	85.5	4.1	748	2	US-09-688-188B-24	Sequence 5301, Ap	785	84.5	4.0	1960	2	US-09-538-092-1077	Sequence 6215, Ap
713	85.5	4.1	748	2	US-09-291-417D-24	Sequence 2094, Ap	786	84.5	4.0	1960	2	US-09-949-016-10872	Sequence 1077, Ap
714	85.5	4.1	841	2	US-09-270-767-42870	Sequence 24, Appl	787	84.5	4.0	1960	2	US-09-248-796A-15860	Sequence 15860, A
715	85.5	4.1	862	2	US-09-665-479A-14	Sequence 42870, A	788	84	4.0	335	2	US-09-830-230A-684	Sequence 684, App
716	85.5	4.1	956	2	US-08-772-270A-8	Sequence 14, Appl	789	84	4.0	346	2	US-09-830-230A-683	Sequence 683, App
717	85.5	4.1	956	2	US-09-062-126-8	Sequence 8, Appli	790	84	4.0	384	2	US-09-134-001C-4669	Sequence 4669, Ap
718	85.5	4.1	1003	2	US-09-438-185A-8	Sequence 8, Appli	791	84	4.0	399	2	US-09-134-000C-5109	Sequence 5109, Ap
719	85.5	4.1	1509	2	US-09-676-519-27	Sequence 27, Appl	792	84	4.0	422	2	US-09-248-796A-19321	Sequence 19321, A
720	85	4.0	438	2	US-09-198-452A-985	Sequence 985, App	793	84	4.0	482	2	US-09-248-796A-18796	Sequence 18796, A
721	85	4.0	442	3	US-10-016-768A-8	Sequence 8, Appli	794	84	4.0	519	2	US-09-583-110-4513	Sequence 4513, Ap
722	85	4.0	444	2	US-09-248-796A-19173	Sequence 19173, A	795	84	4.0	533	2	US-09-107-433-4029	Sequence 4029, Ap
723	85	4.0	481	2	US-09-830-230A-546	Sequence 546, App	796	84	4.0	539	2	US-09-157-257-6	Sequence 6, Appli
724	85	4.0	497	2	US-09-830-230A-545	Sequence 545, App	797	84	4.0	547	2	US-09-438-185A-914	Sequence 914, App
725	85	4.0	498	2	US-09-438-185A-126	Sequence 126, App	798	84	4.0	548	2	US-08-656-034-10	Sequence 10, Appl
726	85	4.0	518	2	US-09-248-796A-14971	Sequence 14971, A	799	84	4.0	563	2	US-10-104-047-3625	Sequence 3625, Ap
727	85	4.0	643	1	US-08-245-511-47	Sequence 47, Appl	800	84	4.0	607	2	US-09-248-796A-19157	Sequence 19157, A
728	85	4.0	643	1	US-08-600-993A-47	Sequence 47, Appl	801	84	4.0	622	2	US-09-248-796A-19230	Sequence 19230, A
729	85	4.0	659	2	US-09-248-796A-24809	Sequence 24809, A	802	84	4.0	636	2	US-09-543-681A-4558	Sequence 4558, Ap
730	85	4.0	667	2	US-09-248-796A-14492	Sequence 14492, A	803	84	4.0	649	2	US-09-949-016-10147	Sequence 10147, A
731	85	4.0	682	2	US-09-949-016-9674	Sequence 9674, Ap	804	84	4.0	660	2	US-09-248-796A-14578	Sequence 14578, A
732	85	4.0	734	2	US-09-949-016-6415	Sequence 6415, Ap	805	84	4.0	663	2	US-10-080-960-14	Sequence 14, Appl
733	85	4.0	756	2	US-09-949-016-10453	Sequence 10453, A	806	84	4.0	684	2	US-10-104-047-2418	Sequence 2418, Ap
734	85	4.0	774	2	US-09-538-092-591	Sequence 591, App	807	84	4.0	700	1	US-07-720-589-2	Sequence 2, Appli
735	85	4.0	919	2	US-09-248-796A-19408	Sequence 19408, A	808	84	4.0	700	1	US-08-785-190-2	Sequence 2, Appli
736	85	4.0	1057	2	US-09-541-782-10	Sequence 10, Appl	809	84	4.0	700	2	US-08-235-836C-66	Sequence 66, Appl
737	85	4.0	1057	2	US-09-723-820-10	Sequence 10, Appl	810	84	4.0	700	3	US-10-369-100A-66	Sequence 66, Appl
738	85	4.0	1057	2	US-10-270-085-10	Sequence 10, Appl	811	84	4.0	700	5	PCT-US92-05539-2	Sequence 2, Appli
739	85	4.0	1069	1	US-07-777-715-9	Sequence 9, Appli	812	84	4.0	725	2	US-09-685-010-47	Sequence 47, Appl
740	85	4.0	1069	1	US-08-170-126-4	Sequence 4, Appli	813	84	4.0	729	2	US-09-949-016-6686	Sequence 6686, Ap
741	85	4.0	1069	2	US-08-954-418-4	Sequence 4, Appli	814	84	4.0	755	2	US-09-107-532A-3693	Sequence 3693, Ap
742	85	4.0	1112	2	US-09-949-016-8006	Sequence 8006, Ap	815	84	4.0	786	2	US-09-248-796A-15288	Sequence 15288, A
743	85	4.0	1196	2	US-09-107-532A-3944	Sequence 3944, Ap	816	84	4.0	830	2	US-09-107-433-4309	Sequence 4309, Ap
744	85	4.0	1228	2	US-09-949-016-6805	Sequence 6805, Ap	817	84	4.0	838	2	US-09-583-110-5225	Sequence 5225, Ap
745	85	4.0	1236	2	US-09-949-016-10398	Sequence 10398, A	818	84	4.0	1024	2	US-09-270-767-44973	Sequence 44973, A
746	85	4.0	2184	2	US-09-417-485D-6	Sequence 6, Appli	819	84	4.0	1053	2	US-09-724-519-2	Sequence 2, Appli
747	85	4.0	2474	2	US-08-265-967C-3	Sequence 3, Appli	820	84	4.0	1053	2	US-09-592-037-2	Sequence 2, Appli
748	85	4.0	2474	2	US-08-305-790B-4	Sequence 4, Appli	821	84	4.0	1507	2	US-09-914-259-37	Sequence 37, Appl
749	84.5	4.0	386	2	US-10-176-884-13	Sequence 13, Appl	822	84	4.0	1683	2	US-08-755-587-183	Sequence 183, App
750	84.5	4.0	418	2	US-10-104-047-2285	Sequence 2285, Ap	823	84	4.0	1728	2	US-10-037-417-72	Sequence 72, Appl
751	84.5	4.0	433	2	US-09-345-236B-43	Sequence 43, Appl	824	84	4.0	1739	2	US-09-976-594-76	Sequence 76, Appl
752	84.5	4.0	436	2	US-09-554-080A-2	Sequence 2, Appli	825	84	4.0	1739	2	US-09-538-092-824	Sequence 824, App
753	84.5	4.0	448	2	US-10-104-047-3437	Sequence 3437, Ap	826	84	4.0	1740	2	US-09-949-016-8860	Sequence 8860, Ap
754	84.5	4.0	454	2	US-09-107-532A-4860	Sequence 4860, Ap	827	84	4.0	2404	2	US-09-949-016-11690	Sequence 11690, A
755	84.5	4.0	461	1	US-08-630-822A-68	Sequence 68, Appl	828	84	4.0	2404	2	US-09-949-016-11691	Sequence 11691, A
756	84.5	4.0	461	1	US-09-005-069-68	Sequence 68, Appl	829	84	4.0	2972	2	US-09-579-181-2	Sequence 2, Appli

830	84	4.0	3118	2	US-09-579-181-1	Sequence 1, Appli	903	83.5	4.0	838	2	US-09-468-656A-4	Sequence 4, Appli
831	83.5	4.0	254	2	US-09-134-000C-5881	Sequence 5881, Ap	904	83.5	4.0	873	2	US-09-540-824-28	Sequence 28, Appl
832	83.5	4.0	311	2	US-09-248-796A-24157	Sequence 24157, A	905	83.5	4.0	897	2	US-09-543-681A-4249	Sequence 4249, Ap
833	83.5	4.0	340	2	US-09-949-016-9020	Sequence 9020, Ap	906	83.5	4.0	963	2	US-09-914-259-20	Sequence 20, Appl
834	83.5	4.0	356	2	US-09-107-532A-5906	Sequence 5906, Ap	907	83.5	4.0	963	2	US-09-538-092-1060	Sequence 1060, Ap
835	83.5	4.0	384	1	US-08-220-958-2	Sequence 2, Appli	908	83.5	4.0	968	2	US-09-417-197-49	Sequence 49, Appl
836	83.5	4.0	384	2	US-09-071-035-276	Sequence 276, App	909	83.5	4.0	970	2	US-09-417-197-67	Sequence 67, Appl
837	83.5	4.0	384	2	US-10-206-576-276	Sequence 276, App	910	83.5	4.0	982	2	US-09-248-796A-20628	Sequence 20628, A
838	83.5	4.0	433	2	US-09-248-796A-19799	Sequence 19799, A	911	83.5	4.0	1002	2	US-09-620-405B-475	Sequence 475, App
839	83.5	4.0	491	2	US-09-314-268-3	Sequence 3, Appli	912	83.5	4.0	1002	2	US-09-604-287A-475	Sequence 475, App
840	83.5	4.0	502	2	US-09-796-202-16	Sequence 16, Appl	913	83.5	4.0	1002	2	US-09-834-759-475	Sequence 475, App
841	83.5	4.0	502	2	US-10-323-314-16	Sequence 16, Appl	914	83.5	4.0	1002	2	US-09-590-751A-475	Sequence 475, App
842	83.5	4.0	502	1	US-08-037-816A-16	Sequence 16, Appl	915	83.5	4.0	1002	2	US-09-551-621-475	Sequence 475, App
843	83.5	4.0	507	1	US-08-037-816A-28	Sequence 28, Appl	916	83.5	4.0	1002	2	US-09-551-621A-475	Sequence 475, App
844	83.5	4.0	507	1	US-08-530-146-16	Sequence 16, Appl	917	83.5	4.0	1002	2	US-10-076-622-475	Sequence 475, App
845	83.5	4.0	507	1	US-08-530-146-28	Sequence 28, Appl	918	83.5	4.0	1002	2	US-10-124-805-475	Sequence 475, App
846	83.5	4.0	524	2	US-09-270-767-39512	Sequence 39512, A	919	83.5	4.0	1095	2	US-09-620-405B-493	Sequence 493, App
847	83.5	4.0	524	2	US-09-270-767-54729	Sequence 54729, A	920	83.5	4.0	1095	2	US-09-834-759-493	Sequence 493, App
848	83.5	4.0	538	2	US-10-094-749-2659	Sequence 2659, Ap	921	83.5	4.0	1095	2	US-10-076-622-493	Sequence 493, App
849	83.5	4.0	545	2	US-09-949-016-6469	Sequence 6469, Ap	922	83.5	4.0	1095	2	US-10-076-622-493	Sequence 493, App
850	83.5	4.0	558	2	US-09-949-016-7736	Sequence 7736, Ap	923	83.5	4.0	1095	2	US-10-124-805-493	Sequence 493, App
851	83.5	4.0	583	2	US-09-710-279-1358	Sequence 1358, Ap	924	83.5	4.0	1147	2	US-09-538-092-1074	Sequence 1074, Ap
852	83.5	4.0	594	2	US-10-104-047-3281	Sequence 3281, Ap	925	83.5	4.0	1201	2	US-09-252-991A-32259	Sequence 32259, A
853	83.5	4.0	638	2	US-09-949-016-10708	Sequence 10708, A	926	83.5	4.0	1276	2	US-08-704-159-66	Sequence 66, Appl
854	83.5	4.0	650	2	US-09-620-405B-469	Sequence 469, App	927	83.5	4.0	1312	2	US-09-345-882-29	Sequence 29, Appl
855	83.5	4.0	650	2	US-09-433-826B-469	Sequence 469, App	928	83.5	4.0	1312	2	US-10-071-179-29	Sequence 29, Appl
856	83.5	4.0	650	2	US-09-604-287A-469	Sequence 469, App	929	83.5	4.0	1341	2	US-09-602-362E-23	Sequence 23, Appl
857	83.5	4.0	650	2	US-09-834-759-469	Sequence 469, App	930	83.5	4.0	1341	2	US-10-076-622-565	Sequence 565, App
858	83.5	4.0	650	2	US-09-590-751A-469	Sequence 469, App	931	83.5	4.0	1341	2	US-10-124-805-565	Sequence 565, App
859	83.5	4.0	650	2	US-09-551-621-469	Sequence 469, App	932	83.5	4.0	1349	2	US-10-076-622-573	Sequence 573, App
860	83.5	4.0	650	2	US-09-551-621A-469	Sequence 469, App	933	83.5	4.0	1353	2	US-10-124-805-573	Sequence 573, App
861	83.5	4.0	650	2	US-10-076-622-469	Sequence 469, App	934	83.5	4.0	1353	2	US-10-098-108-2	Sequence 2, Appli
862	83.5	4.0	650	2	US-10-124-805-469	Sequence 469, App	935	83.5	4.0	1536	2	US-09-487-558B-322	Sequence 322, App
863	83.5	4.0	673	2	US-09-248-796A-19590	Sequence 469, App	936	83.5	4.0	1560	2	US-09-264-512B-2	Sequence 2, Appli
864	83.5	4.0	724	1	US-07-906-349A-5	Sequence 19590, A	937	83	3.9	206	2	US-09-543-681A-14304	Sequence 14304, A
865	83.5	4.0	724	1	US-08-167-035-2	Sequence 5, Appli	938	83	3.9	221	2	US-09-978-309A-75	Sequence 75, Appl
866	83.5	4.0	724	1	US-08-208-887A-2	Sequence 2, Appli	939	83	3.9	300	2	US-09-543-681A-7657	Sequence 5326, Ap
867	83.5	4.0	724	1	US-08-539-005-2	Sequence 2, Appli	940	83	3.9	327	2	US-09-512-563C-16	Sequence 16, Appl
868	83.5	4.0	724	2	US-09-280-598-5	Sequence 5, Appli	941	83	3.9	327	2	US-10-060-607-16	Sequence 16, Appl
869	83.5	4.0	736	2	US-09-457-040B-26	Sequence 26, Appl	942	83	3.9	333	2	US-09-978-309A-73	Sequence 73, Appl
870	83.5	4.0	743	2	US-09-620-405B-494	Sequence 494, App	943	83	3.9	352	2	US-09-248-796A-18408	Sequence 18408, A
871	83.5	4.0	743	2	US-09-834-759-494	Sequence 494, App	944	83	3.9	354	2	US-09-248-796A-14436	Sequence 14436, A
872	83.5	4.0	743	2	US-10-076-622-494	Sequence 494, App	945	83	3.9	425	2	US-09-538-092-1366	Sequence 1366, Ap
873	83.5	4.0	743	2	US-10-124-805-494	Sequence 494, App	946	83	3.9	447	2	US-09-394-142B-24	Sequence 24, Appl
874	83.5	4.0	744	2	US-09-925-637-72	Sequence 72, Appl	947	83	3.9	447	2	US-09-949-016-6560	Sequence 6560, Ap
875	83.5	4.0	752	2	US-09-917-254-70	Sequence 70, Appl	948	83	3.9	461	1	US-08-392-625-24	Sequence 24, Appl
876	83.5	4.0	789	1	US-08-471-033-29	Sequence 29, Appl	949	83	3.9	461	1	US-08-466-961A-24	Sequence 24, Appl
877	83.5	4.0	789	1	US-08-471-044-29	Sequence 29, Appl	950	83	3.9	461	1	US-08-645-193B-26	Sequence 26, Appl
878	83.5	4.0	789	1	US-08-463-483A-29	Sequence 29, Appl	951	83	3.9	462	2	US-09-809-545A-22	Sequence 22, Appl
879	83.5	4.0	789	1	US-08-471-046A-29	Sequence 29, Appl	952	83	3.9	480	2	US-09-949-016-8233	Sequence 8233, Ap
880	83.5	4.0	789	1	US-08-470-566B-29	Sequence 29, Appl	953	83	3.9	552	2	US-09-248-796A-15923	Sequence 15923, A
881	83.5	4.0	789	1	US-08-838-219B-2	Sequence 2, Appli	954	83	3.9	566	2	US-09-949-016-7448	Sequence 7448, Ap
882	83.5	4.0	789	1	US-08-469-334-29	Sequence 29, Appl	955	83	3.9	568	2	US-09-134-001C-3768	Sequence 3768, Ap
883	83.5	4.0	789	2	US-09-300-529-29	Sequence 29, Appl	956	83	3.9	610	1	US-08-455-073A-2	Sequence 2, Appli
884	83.5	4.0	789	2	US-09-233-336A-2	Sequence 2, Appli	957	83	3.9	655	2	US-09-949-016-6759	Sequence 6759, Ap
885	83.5	4.0	789	2	US-09-233-752A-2	Sequence 2, Appli	958	83	3.9	658	2	US-09-248-796A-20278	Sequence 20278, A
886	83.5	4.0	789	2	US-09-402-036-2	Sequence 2, Appli	959	83	3.9	669	2	US-09-949-016-10241	Sequence 10241, A
887	83.5	4.0	789	2	US-09-002-285-78	Sequence 78, Appl	960	83	3.9	745	2	US-09-710-279-1500	Sequence 1500, Ap
888	83.5	4.0	789	2	US-09-002-285-94	Sequence 94, Appl	961	83	3.9	789	1	US-08-471-033-32	Sequence 32, Appl
889	83.5	4.0	789	2	US-09-002-285-96	Sequence 96, Appl	962	83	3.9	789	1	US-08-471-044-32	Sequence 32, Appl
890	83.5	4.0	789	2	US-09-904-226-2	Sequence 2, Appli	963	83	3.9	789	1	US-08-463-483A-32	Sequence 32, Appl
891	83.5	4.0	789	2	US-09-589-477-78	Sequence 78, Appl	964	83	3.9	789	1	US-08-471-046A-32	Sequence 32, Appl
892	83.5	4.0	789	2	US-09-589-477-94	Sequence 94, Appl	965	83	3.9	789	1	US-08-470-566B-32	Sequence 32, Appl
893	83.5	4.0	789	2	US-09-589-477-96	Sequence 96, Appl	966	83	3.9	789	1	US-08-838-219B-4	Sequence 4, Appli
894	83.5	4.0	789	2	US-10-099-285A-78	Sequence 78, Appl	967	83	3.9	789	1	US-08-469-334-32	Sequence 32, Appl
895	83.5	4.0	789	2	US-10-099-285A-94	Sequence 94, Appl	968	83	3.9	789	2	US-09-300-529-32	Sequence 32, Appl
896	83.5	4.0	789	2	US-10-099-285A-96	Sequence 96, Appl	969	83	3.9	789	2	US-09-233-336A-4	Sequence 4, Appli
897	83.5	4.0	790	2	US-08-960-780-8	Sequence 8, Appli	970	83	3.9	789	2	US-09-233-752A-4	Sequence 4, Appli
898	83.5	4.0	790	2	US-09-073-898-8	Sequence 8, Appli	971	83	3.9	789	2	US-09-402-036-4	Sequence 4, Appli
899	83.5	4.0	790	2	US-09-307-106-2	Sequence 2, Appli	972	83	3.9	789	2	US-09-904-226-4	Sequence 4, Appli
900	83.5	4.0	790	2	US-09-850-351A-8	Sequence 8, Appli	973	83	3.9	789	2	US-09-949-016-9432	Sequence 9432, Ap
901	83.5	4.0	799	2	US-10-104-047-2929	Sequence 2929, Ap	974	83	3.9	817	2	US-09-248-796A-20276	Sequence 20276, A
902	83.5	4.0	817	2	US-09-949-016-7491	Sequence 7491, Ap	975	83	3.9	834	2	US-09-187-999-11	Sequence 11, Appl

976	83	3.9	868	1	US-08-162-081B-33	Sequence 33, Appl	1049	82	3.9	585	2	US-09-462-951B-1	Sequence 1, Appl
977	83	3.9	868	1	US-08-780-872-33	Sequence 33, Appl	1050	82	3.9	602	2	US-10-094-749-2246	Sequence 2246, Ap
978	83	3.9	868	2	US-09-085-957-33	Sequence 33, Appl	1051	82	3.9	608	1	US-08-766-014-3	Sequence 3, Appl
979	83	3.9	963	2	US-09-949-016-11519	Sequence 11519, A	1052	82	3.9	628	2	US-09-828-447-12	Sequence 12, Appl
980	83	3.9	963	2	US-09-949-016-11520	Sequence 11520, A	1053	82	3.9	641	2	US-09-270-767-44970	Sequence 44970, A
981	83	3.9	983	2	US-09-134-001C-3814	Sequence 3814, Ap	1054	82	3.9	660	2	US-10-197-220-139	Sequence 139, App
982	83	3.9	1462	2	US-09-538-092-1043	Sequence 1043, Ap	1055	82	3.9	694	2	US-09-830-230A-590	Sequence 590, App
983	83	3.9	1462	2	US-09-949-002-381	Sequence 381, App	1056	82	3.9	714	2	US-09-198-452A-300	Sequence 300, App
984	83	3.9	1524	2	US-09-949-002-495	Sequence 495, App	1057	82	3.9	717	2	US-09-830-230A-589	Sequence 589, App
985	83	3.9	1542	2	US-09-949-016-9215	Sequence 9215, Ap	1058	82	3.9	781	2	US-10-094-749-2512	Sequence 2512, Ap
986	83	3.9	1627	2	US-09-328-352-6604	Sequence 6604, Ap	1059	82	3.9	806	2	US-09-976-594-321	Sequence 321, App
987	83	3.9	1783	2	US-09-362-336A-2	Sequence 2, Appli	1060	82	3.9	810	2	US-09-583-110-4352	Sequence 4352, Ap
988	83	3.9	1804	2	US-09-362-336A-4	Sequence 4, Appli	1061	82	3.9	816	2	US-09-107-433-4504	Sequence 4504, Ap
989	83	3.9	2074	2	US-09-491-356C-9	Sequence 9, Appli	1062	82	3.9	867	2	US-10-197-220-109	Sequence 109, App
990	83	3.9	3433	2	US-09-091-501B-10	Sequence 10, Appl	1063	82	3.9	873	2	US-09-336-447A-13	Sequence 13, Appl
991	82.5	3.9	284	2	US-09-538-092-860	Sequence 860, App	1064	82	3.9	873	2	US-09-952-267B-13	Sequence 13, Appl
992	82.5	3.9	306	2	US-09-248-796A-21212	Sequence 21212, A	1065	82	3.9	876	2	US-09-605-703B-1640	Sequence 1640, Ap
993	82.5	3.9	343	2	US-09-107-532A-4619	Sequence 4619, Ap	1066	82	3.9	913	2	US-08-971-089-4	Sequence 4, Appli
994	82.5	3.9	346	2	US-09-949-016-7530	Sequence 7530, Ap	1067	82	3.9	913	2	US-10-117-604A-4	Sequence 4, Appli
995	82.5	3.9	346	2	US-09-902-540-12787	Sequence 12787, A	1068	82	3.9	961	2	US-09-914-259-66	Sequence 66, Appl
996	82.5	3.9	372	2	US-09-971-020A-7	Sequence 7, Appli	1069	82	3.9	982	2	US-09-688-188B-90	Sequence 90, Appl
997	82.5	3.9	412	2	US-09-248-796A-26531	Sequence 26531, A	1070	82	3.9	982	2	US-09-291-417D-90	Sequence 90, Appl
998	82.5	3.9	450	2	US-10-094-749-2630	Sequence 2630, Ap	1071	82	3.9	1174	1	US-08-040-751-3	Sequence 3, Appli
999	82.5	3.9	466	2	US-09-620-405B-472	Sequence 472, App	1072	82	3.9	1174	1	US-08-291-368-2	Sequence 2, Appli
1000	82.5	3.9	466	2	US-09-433-826B-472	Sequence 472, App	1073	82	3.9	1174	1	US-08-962-190-2	Sequence 2, Appli
1001	82.5	3.9	466	2	US-09-604-287A-472	Sequence 472, App	1074	82	3.9	1174	5	PCT-US95-10310-2	Sequence 2, Appli
1002	82.5	3.9	466	2	US-09-834-759-472	Sequence 472, App	1075	82	3.9	1174	7	5164180-4	Patent No. 5164180
1003	82.5	3.9	466	2	US-09-590-751A-472	Sequence 472, App	1076	82	3.9	1205	2	US-09-092-508-16	Sequence 16, Appl
1004	82.5	3.9	466	2	US-09-551-621-472	Sequence 472, App	1077	82	3.9	1205	2	US-09-435-115-16	Sequence 16, Appl
1005	82.5	3.9	466	2	US-10-076-622-472	Sequence 472, App	1078	82	3.9	1362	2	US-09-949-016-7033	Sequence 7033, Ap
1006	82.5	3.9	466	2	US-10-076-622-472	Sequence 472, App	1079	82	3.9	1401	2	US-09-489-039A-7201	Sequence 7201, Ap
1007	82.5	3.9	466	2	US-10-124-805-472	Sequence 472, App	1080	82	3.9	1530	2	US-09-976-594-736	Sequence 736, App
1008	82.5	3.9	517	2	US-09-134-001C-3188	Sequence 3188, Ap	1081	82	3.9	1530	2	US-09-949-016-6668	Sequence 6668, Ap
1009	82.5	3.9	573	2	US-08-235-836C-112	Sequence 112, App	1082	82	3.9	2023	2	US-09-491-356C-8	Sequence 8, Appli
1010	82.5	3.9	573	3	US-10-369-100A-112	Sequence 112, App	1083	81.5	3.9	313	2	US-09-710-279-1216	Sequence 1216, Ap
1011	82.5	3.9	608	2	US-09-134-001C-4751	Sequence 4751, Ap	1084	81.5	3.9	320	2	US-09-248-796A-24580	Sequence 24580, A
1012	82.5	3.9	661	2	US-10-076-622-552	Sequence 552, App	1085	81.5	3.9	357	2	US-09-710-279-410	Sequence 410, App
1013	82.5	3.9	661	2	US-10-124-805-552	Sequence 552, App	1086	81.5	3.9	366	2	US-09-134-001C-3198	Sequence 3198, Ap
1014	82.5	3.9	690	2	US-10-094-749-3005	Sequence 3005, Ap	1087	81.5	3.9	372	1	US-07-813-584A-3	Sequence 3, Appli
1015	82.5	3.9	759	2	US-09-002-285-86	Sequence 86, Appl	1088	81.5	3.9	372	1	US-08-330-515-3	Sequence 3, Appli
1016	82.5	3.9	759	2	US-09-589-477-86	Sequence 86, Appl	1089	81.5	3.9	387	2	US-09-248-796A-23962	Sequence 23962, A
1017	82.5	3.9	759	2	US-10-099-285A-86	Sequence 86, Appl	1090	81.5	3.9	393	2	US-09-491-577-82	Sequence 82, Appl
1018	82.5	3.9	844	2	US-09-248-796A-20272	Sequence 20272, A	1091	81.5	3.9	396	2	US-09-079-030-219	Sequence 219, App
1019	82.5	3.9	860	2	US-10-037-417-59	Sequence 59, Appl	1092	81.5	3.9	404	2	US-09-710-279-398	Sequence 398, App
1020	82.5	3.9	860	2	US-09-538-092-787	Sequence 787, App	1093	81.5	3.9	407	2	US-09-978-309A-78	Sequence 78, Appl
1021	82.5	3.9	905	2	US-09-248-796A-15706	Sequence 15706, A	1094	81.5	3.9	416	2	US-09-710-279-2402	Sequence 2402, Ap
1022	82.5	3.9	960	2	US-09-538-092-326	Sequence 326, App	1095	81.5	3.9	417	2	US-09-134-001C-5006	Sequence 5006, Ap
1023	82.5	3.9	978	2	US-09-949-016-10196	Sequence 10196, A	1096	81.5	3.9	426	2	US-09-605-703B-2206	Sequence 2206, Ap
1024	82.5	3.9	1013	2	US-10-076-622-553	Sequence 553, App	1097	81.5	3.9	434	2	US-08-630-915A-22	Sequence 22, Appl
1025	82.5	3.9	1013	2	US-10-124-805-553	Sequence 553, App	1098	81.5	3.9	434	2	US-09-879-957-22	Sequence 22, Appl
1026	82.5	3.9	1122	2	US-09-248-796A-16374	Sequence 16374, A	1099	81.5	3.9	463	2	US-09-248-796A-17793	Sequence 17793, A
1027	82.5	3.9	1218	2	US-09-589-567-2	Sequence 2, Appli	1100	81.5	3.9	476	2	US-09-978-309A-79	Sequence 79, Appl
1028	82.5	3.9	1231	2	US-08-714-741-41	Sequence 41, Appl	1101	81.5	3.9	510	1	US-08-557-122A-36	Sequence 36, Appl
1029	82.5	3.9	1454	2	US-09-328-352-5793	Sequence 5793, Ap	1102	81.5	3.9	510	2	US-09-262-666-36	Sequence 36, Appl
1030	82.5	3.9	2058	2	US-09-949-016-6835	Sequence 6835, Ap	1103	81.5	3.9	518	2	US-09-538-092-401	Sequence 401, App
1031	82.5	3.9	2111	2	US-09-949-016-10199	Sequence 10199, A	1104	81.5	3.9	520	2	US-09-248-796A-17644	Sequence 17644, A
1032	82.5	3.9	2158	2	US-10-144-198-34	Sequence 34, Appl	1105	81.5	3.9	525	2	US-09-248-796A-19573	Sequence 19573, A
1033	82.5	3.9	2265	2	US-10-144-198-35	Sequence 35, Appl	1106	81.5	3.9	533	2	US-09-508-370A-6	Sequence 6, Appli
1034	82.5	3.9	2697	2	US-10-144-198-12	Sequence 12, Appl	1107	81.5	3.9	591	1	US-08-836-620A-17	Sequence 17, Appl
1035	82	3.9	303	1	US-08-321-670-2	Sequence 2, Appli	1108	81.5	3.9	595	2	US-09-041-886-35	Sequence 35, Appl
1036	82	3.9	303	2	US-09-215-252-3	Sequence 3, Appli	1109	81.5	3.9	595	2	US-08-764-870-12	Sequence 12, Appl
1037	82	3.9	303	2	US-09-970-989A-3	Sequence 3, Appli	1110	81.5	3.9	595	2	US-08-980-115-12	Sequence 12, Appl
1038	82	3.9	420	2	US-09-270-767-45855	Sequence 45855, A	1111	81.5	3.9	595	2	US-08-453-998-2	Sequence 2, Appli
1039	82	3.9	447	2	US-09-902-540-14598	Sequence 14598, A	1112	81.5	3.9	595	2	US-09-949-016-5889	Sequence 5889, Ap
1040	82	3.9	457	2	US-08-924-629C-6	Sequence 6, Appli	1113	81.5	3.9	595	2	US-10-052-092-9	Sequence 9, Appli
1041	82	3.9	481	2	US-09-248-796A-15812	Sequence 15812, A	1114	81.5	3.9	595	2	US-10-052-092-13	Sequence 13, Appl
1042	82	3.9	524	2	US-09-549-519-30	Sequence 30, Appl	1115	81.5	3.9	595	2	US-10-052-092-14	Sequence 14, Appl
1043	82	3.9	542	2	US-10-094-749-1711	Sequence 1711, Ap	1116	81.5	3.9	595	2	US-10-081-563-2	Sequence 2, Appli
1044	82	3.9	547	2	US-09-134-000C-5974	Sequence 5974, Ap	1117	81.5	3.9	595	2	US-10-144-198-42	Sequence 42, Appl
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1046	82	3.9	573	2	US-09-134-000C-5258	Sequence 5258, Ap	1119	81.5	3.9	664	2	US-09-248-796A-17191	Sequence 17191, A
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1048	82	3.9	583	2	US-09-949-016-8267	Sequence 8267, Ap	1121	81.5	3.9	711	2	US-09-134-000C-6056	Sequence 6056, Ap

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1123	81.5	3.9	767	2	US-09-134-001C-4023	Sequence 4023, Ap	1196	81	3.8	2004	2	US-09-538-092-1371	Sequence 1371, Ap
1124	81.5	3.9	773	2	US-08-564-264-1	Sequence 1, Appli	1197	81	3.8	2004	2	US-09-949-016-6756	Sequence 6756, Ap
1125	81.5	3.9	790	2	US-08-960-780-4	Sequence 4, Appli	1198	81	3.8	2055	2	US-10-017-216-4	Sequence 4, Appli
1126	81.5	3.9	790	2	US-09-073-898-4	Sequence 4, Appli	1199	80.5	3.8	261	1	US-08-624-125-18	Sequence 18, Appl
1127	81.5	3.9	790	2	US-09-850-351A-4	Sequence 4, Appli	1200	80.5	3.8	261	2	US-08-937-155-18	Sequence 18, Appl
1128	81.5	3.9	885	1	US-08-533-306A-4	Sequence 4, Appli	1201	80.5	3.8	261	2	US-09-323-998E-18	Sequence 18, Appl
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1130	81.5	3.9	1007	2	US-09-155-558-30	Sequence 30, Appl	1203	80.5	3.8	313	2	US-08-480-640A-192	Sequence 192, App
1131	81.5	3.9	1034	2	US-10-104-047-2343	Sequence 2343, Ap	1204	80.5	3.8	313	2	US-08-686-968C-192	Sequence 192, App
1132	81.5	3.9	1056	2	US-09-079-030-217	Sequence 217, App	1205	80.5	3.8	313	2	US-08-488-237A-192	Sequence 192, App
1133	81.5	3.9	1056	2	US-09-134-001C-5106	Sequence 5106, Ap	1206	80.5	3.8	313	2	US-08-375-992A-192	Sequence 192, App
1134	81.5	3.9	1177	2	US-08-441-139-9	Sequence 9, Appli	1207	80.5	3.8	313	2	US-08-472-679H-192	Sequence 192, App
1135	81.5	3.9	1250	1	US-09-487-558B-364	Sequence 364, App	1208	80.5	3.8	317	1	US-08-463-090B-9	Sequence 9, Appli
1136	81.5	3.9	1250	2	US-09-248-796A-20258	Sequence 20258, A	1209	80.5	3.8	317	1	US-08-874-347-18	Sequence 18, Appl
1137	81.5	3.9	1260	2	US-08-290-731C-4	Sequence 4, Appli	1210	80.5	3.8	317	2	US-09-093-522-18	Sequence 18, Appl
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1139	81.5	3.9	1729	2	US-09-538-092-915	Sequence 915, App	1212	80.5	3.8	347	2	US-08-630-915A-32	Sequence 32, Appl
1140	81.5	3.9	1939	2	US-09-108-006C-1	Sequence 1, Appli	1213	80.5	3.8	347	2	US-09-879-957-32	Sequence 32, Appl
1141	81.5	3.9	4536	2	US-09-328-352-6634	Sequence 842, App	1214	80.5	3.8	380	2	US-09-107-532A-4570	Sequence 4570, Ap
1142	81.5	3.9	4536	2	US-09-248-796A-27915	Sequence 27915, A	1215	80.5	3.8	380	2	US-09-125-031C-13	Sequence 13, Appl
1143	81.5	3.9	4563	2	US-09-180-422B-27	Sequence 1, Appli	1216	80.5	3.8	438	2	US-09-248-796A-19338	Sequence 19338, A
1144	81.5	3.9	4563	2	US-09-079-030-1	Sequence 1, Appli	1217	80.5	3.8	471	2	US-10-104-047-3263	Sequence 3263, Ap
1145	81.5	3.9	4563	2	US-09-108-006C-1	Sequence 842, App	1218	80.5	3.8	473	2	US-09-248-796A-27126	Sequence 27126, A
1146	81	3.8	121	2	US-09-538-092-842	Sequence 6634, Ap	1219	80.5	3.8	497	2	US-08-740-223A-14	Sequence 14, Appl
1147	81	3.8	191	2	US-09-328-352-6634	Sequence 27915, A	1220	80.5	3.8	497	2	US-09-709-188-14	Sequence 14, Appl
1148	81	3.8	210	2	US-09-248-796A-27915	Sequence 3415, Ap	1221	80.5	3.8	497	2	US-10-225-060-14	Sequence 14, Appl
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1152	81	3.8	342	2	US-10-094-749-2254	Sequence 19454, A	1225	80.5	3.8	554	2	US-09-198-452A-1137	Sequence 1137, Ap
1153	81	3.8	379	2	US-09-125-031C-11	Sequence 11, Appl	1226	80.5	3.8	559	2	US-09-438-185A-1063	Sequence 1063, Ap
1154	81	3.8	398	2	US-09-248-796A-19150	Sequence 19150, A	1227	80.5	3.8	563	2	US-09-949-016-10801	Sequence 10801, A
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1156	81	3.8	414	2	US-10-278-946-2	Sequence 2, Appli	1229	80.5	3.8	591	2	US-09-134-000C-5327	Sequence 5327, Ap
1157	81	3.8	435	2	US-09-978-309A-80	Sequence 80, Appl	1230	80.5	3.8	609	2	US-09-538-092-711	Sequence 711, App
1158	81	3.8	444	2	US-09-248-796A-16216	Sequence 16216, A	1231	80.5	3.8	624	2	US-09-336-447A-7	Sequence 7, Appli
1159	81	3.8	448	1	US-08-959-749-2	Sequence 2, Appli	1232	80.5	3.8	624	2	US-09-952-267B-7	Sequence 7, Appli
1160	81	3.8	448	2	US-09-351-497-2	Sequence 2, Appli	1233	80.5	3.8	657	2	US-09-248-796A-19232	Sequence 19232, A
1161	81	3.8	469	2	US-09-830-230A-569	Sequence 569, App	1234	80.5	3.8	688	2	US-09-949-016-10779	Sequence 10779, A
1162	81	3.8	484	2	US-09-248-796A-14385	Sequence 14385, A	1235	80.5	3.8	778	2	US-09-328-352-7907	Sequence 7907, Ap
1163	81	3.8	508	2	US-10-104-047-3488	Sequence 3488, Ap	1236	80.5	3.8	817	2	US-09-543-681A-4637	Sequence 4637, Ap
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1167	81	3.8	568	2	US-09-710-279-2482	Sequence 2482, Ap	1240	80.5	3.8	1138	2	US-09-767-215-5	Sequence 5, Appli
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1169	81	3.8	591	2	US-10-094-749-2491	Sequence 2491, Ap	1242	80.5	3.8	1184	2	US-09-723-820-2	Sequence 2, Appli
1170	81	3.8	593	2	US-09-248-796A-15435	Sequence 15435, A	1243	80.5	3.8	1184	2	US-10-270-085-2	Sequence 2, Appli
1171	81	3.8	638	2	US-10-104-047-2626	Sequence 2626, Ap	1244	80.5	3.8	1564	2	US-09-976-594-309	Sequence 309, App
1172	81	3.8	649	1	US-08-149-097D-37	Sequence 37, Appl	1245	80	3.8	116	2	US-09-248-796A-21186	Sequence 21186, A
1173	81	3.8	651	2	US-09-248-796A-20333	Sequence 20333, A	1246	80	3.8	194	2	US-09-538-092-104	Sequence 104, App
1174	81	3.8	668	2	US-09-248-796A-18902	Sequence 18902, A	1247	80	3.8	230	1	US-08-118-469A-3	Sequence 3, Appli
1175	81	3.8	722	2	US-08-390-874C-12	Sequence 12, Appl	1248	80	3.8	230	1	US-08-909-119-3	Sequence 3, Appli
1176	81	3.8	722	2	US-09-265-772-12	Sequence 12, Appl	1249	80	3.8	230	2	US-09-152-588-3	Sequence 3, Appli
1177	81	3.8	730	2	US-09-398-865A-2	Sequence 2, Appli	1250	80	3.8	248	7	5182262-8	Patent No. 5182262
1178	81	3.8	730	2	US-09-710-714-2	Sequence 2, Appli	1251	80	3.8	275	2	US-09-583-110-4347	Sequence 4347, Ap
1179	81	3.8	788	2	US-09-538-092-567	Sequence 567, App	1252	80	3.8	281	2	US-09-107-532A-4658	Sequence 4658, Ap
1180	81	3.8	797	2	US-09-086-912-2	Sequence 2, Appli	1253	80	3.8	316	2	US-09-270-767-46534	Sequence 46534, A
1181	81	3.8	797	2	US-09-203-453-2	Sequence 2, Appli	1254	80	3.8	354	2	US-09-248-796A-19050	Sequence 19050, A
1182	81	3.8	797	2	US-09-900-236-2	Sequence 2, Appli	1255	80	3.8	356	2	US-09-710-279-1048	Sequence 1048, Ap
1183	81	3.8	797	2	US-10-256-889-2	Sequence 2, Appli	1256	80	3.8	382	2	US-09-270-767-45948	Sequence 45948, A
1184	81	3.8	797	2	US-10-439-799-2	Sequence 2, Appli	1257	80	3.8	425	2	US-09-134-001C-5654	Sequence 5654, Ap
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1186	81	3.8	872	1	US-08-766-014-2	Sequence 2, Appli	1259	80	3.8	425	2	US-10-254-995-11	Sequence 11, Appl
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1188	81	3.8	1005	2	US-09-338-123-2	Sequence 2, Appli	1261	80	3.8	441	2	US-09-248-796A-26086	Sequence 26086, A
1189	81	3.8	1145	2	US-09-710-279-1432	Sequence 1432, Ap	1262	80	3.8	446	2	US-09-328-352-7524	Sequence 7524, Ap
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1191	81	3.8	1208	2	US-09-134-000C-5756	Sequence 5756, Ap	1264	80	3.8	462	1	US-08-540-412-1	Sequence 1, Appli
1192	81	3.8	1244	2	US-09-543-681A-6274	Sequence 6274, Ap	1265	80	3.8	462	2	US-09-051-342-1	Sequence 1, Appli
1193	81	3.8	1444	2	US-09-949-016-9652	Sequence 9652, Ap	1266	80	3.8	462	2	US-08-468-161-1	Sequence 1, Appli
1194	81	3.8	1456	1	US-08-803-973-2	Sequence 2, Appli	1267	80	3.8	462	2	US-09-051-759-1	Sequence 1, Appli

1268	80	3.8	462	5	PCT-US95-08156-1	Sequence 1, Appli	1341	80	3.8	1535	2	US-08-755-587-185	Sequence 185, App
1269	80	3.8	472	2	US-09-166-350-17	Sequence 17, Appl	1342	80	3.8	1540	2	US-09-949-016-11382	Sequence 11382, A
1270	80	3.8	478	2	US-08-740-223A-7	Sequence 7, Appli	1343	80	3.8	1540	2	US-09-949-016-11383	Sequence 11383, A
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1272	80	3.8	478	2	US-10-225-060-7	Sequence 7, Appli	1345	80	3.8	1589	2	US-08-755-587-189	Sequence 189, App
1273	80	3.8	489	2	US-09-533-029-60	Sequence 60, Appl	1346	80	3.8	1693	2	US-09-560-385A-4	Sequence 4, Appli
1274	80	3.8	490	2	US-08-740-223A-12	Sequence 12, Appl	1347	80	3.8	1693	2	US-09-560-385A-8	Sequence 8, Appli
1275	80	3.8	490	2	US-09-709-188-12	Sequence 12, Appl	1348	80	3.8	1713	2	US-08-600-982-24	Sequence 24, Appl
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; PRIOR FILING DATE: 1998-07-09

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; APPLICANT: Ashkenazi, Avi J.
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; APPLICANT: Botstein, David
; APPLICANT: Deancoyers, Luc
; APPLICANT: Baton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
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; APPLICANT: Napier, Mary A.
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; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
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; APPLICANT: Williams, P. Mickey
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RESULT 3
US-09-997-333-158
; Sequence 158, Application US/09997333
; Patent No. 6953836
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.

APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2730P1C27
CURRENT APPLICATION NUMBER: US/09/997,333
CURRENT FILING DATE: 2001-11-15
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
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; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 2109; DB 2; Length 409;
Best Local Similarity 100.0%; Pred. No. 3.4e-187;
Matches 409; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 MEGESTSAVLGSGFVLGALAFQHLNTSDTEGFLGGEVKGAKNSITDSQMDDVEVYITD 60
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Db 61 IQKIYPCYQLSFYNSSGEVNEQALKILSNVKNVGVYKFRHSDQIMTFRERLLHKN 120
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Db 121 LQEHFSNQDLVFLLLTPSIITESCSTHRLHSPLYKPKGLFHRVPLVYVANLGMSEQLGYK 180
QY 181 TVSGSCMSTGFSRAVQTHSSKFEEGSLKVBHKINEMYASLQEEKLSICKKVEDSEQAV 240
Db 181 TVSGSCMSTGFSRAVQTHSSKFEEGSLKVBHKINEMYASLQEEKLSICKKVEDSEQAV 240
QY 241 DKLVKDVNRLKREIEKRRGAQIAAREKNIOKDPQENIFLCQALRTPFPNSEFLHSCVMS 300
Db 241 DKLVKDVNRLKREIEKRRGAQIAAREKNIOKDPQENIFLCQALRTPFPNSEFLHSCVMS 300
QY 301 LKNRHVSKSSCNYNHHLVDVNDLTLMVEHTDIPEASPASTPQIIKHKALDLDLDRWQFKRS 360
Db 301 LKNRHVSKSSCNYNHHLVDVNDLTLMVEHTDIPEASPASTPQIIKHKALDLDLDRWQFKRS 360
QY 361 RLDDTQDKRSKANTGSSNQDKASKMSSPETDEEIEKMGFGEYSRPTF 409
Db 361 RLDDTQDKRSKANTGSSNQDKASKMSSPETDEEIEKMGFGEYSRPTF 409

RESULT 4
US-09-992-598-158
; Sequence 158, Application US/09992598

; Patent No. 6956108
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
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; APPLICANT: Gerber, Hanspeter
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; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730P1C20
; CURRENT APPLICATION NUMBER: US/09/992,598
; PRIOR FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
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; PRIOR FILING DATE: 1998-07-09

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Best Local Similarity 100.0%; Pred. No. 3.4e-187;
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Qy 1 MEGESTSAVLSCFVLGALAFQHLNTSDTEGFLGGEVKGAKNSITDSQMDDVEVVYTTID 60
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61 IQKIYIPCYQLFSFYNSSGEVNEQALKILSNVKKNVVGWYKFRRHSDQIMTFRERLLHKN 120
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121 LOEHFSNQDLVFLLLTPSIITESCSTHRLHSLYKPKQGLFHRVPLVVANLGMSEQLGYK 180
Qy 181 TVSGSCMSTGFSRAVQTHSSKFFFEEDGSLKEVHKINEMYASLOEELKSICKKVEDSEQAV 240
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; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 2109; DB 2; Length 409;
Best Local Similarity 100.0%; Pred. No. 3.4e-187;

Matches 409; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MEGESTSAVLSGFVLGALAFQHINTSDTEGFLLGVEVGEAKNSITDSQMDDEVVYITD 60
Db 1 MEGESTSAVLSGFVLGALAFQHINTSDTEGFLLGVEVGEAKNSITDSQMDDEVVYITD 60
Qy 61 IQYIPCYQLFSFYNSSGEVNEQALKILSNVKQNVGVYKFRRHSDQIMTFRERLLHKN 120
Db 61 IQYIPCYQLFSFYNSSGEVNEQALKILSNVKQNVGVYKFRRHSDQIMTFRERLLHKN 120
Qy 121 LQEHFSNQDLVFLLLTPSIITESCSTHRLEHSLYKPKGLFHRVPLVAVANLGMSEQLGYK 180
Db 121 LQEHFSNQDLVFLLLTPSIITESCSTHRLEHSLYKPKGLFHRVPLVAVANLGMSEQLGYK 180
Qy 181 TVSGSCMSTGFSRAVQTHSSKFFFEEDGSLKEVHKINEMYASLQEELKSICKVEDSEQAV 240
Db 181 TVSGSCMSTGFSRAVQTHSSKFFFEEDGSLKEVHKINEMYASLQEELKSICKVEDSEQAV 240
Qy 241 DKLVKDVNRLKREIEKRRGACIOAAREKNIQKDPQENIFLCOALRTFFPNSEFLHSCVMS 300
Db 241 DKLVKDVNRLKREIEKRRGACIOAAREKNIQKDPQENIFLCOALRTFFPNSEFLHSCVMS 300
Qy 301 LKNRHVSKSSCNYNHLDVVDNLTLMVEHTDIPEASPASTPQIIKHKALDLDLDRWQFKRS 360
Db 301 LKNRHVSKSSCNYNHLDVVDNLTLMVEHTDIPEASPASTPQIIKHKALDLDLDRWQFKRS 360
Qy 361 RLDDTQDKRSKANTGSSNQDKASKMSSPETDEEIEKMGFGEYSRSPTF 409
Db 361 RLDDTQDKRSKANTGSSNQDKASKMSSPETDEEIEKMGFGEYSRSPTF 409

RESULT 6

US-09-989-726-158
; Sequence 158, Application US/099899726
; Patent No. 7018811
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730P1C60
; CURRENT APPLICATION NUMBER: US/09/989,726
; CURRENT FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13

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; PRIOR APPLICATION NUMBER: 60/091544
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091519
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091626
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 2109; DB 3; Length 409;
Best Local Similarity 100.0%; Pred. No. 3.4e-187;
Matches 409; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MEGESTSAVLGGFVLGALAFQHLNTSDTEGFLGGEVKGEAKNSITDSQMDDVEVVYTIID 60
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Qy 1 MEGESTSAVLGGFVLGALAFQHLNTSDTEGFLGGEVKGEAKNSITDSQMDDVEVVYTIID 60
Dd ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy 61 IQKYPICYQLPSFYNSSGGEVNEQALKILSNVKNVGVGWYKFRRHSDQIMTFRERLLHKQ 120
Dd ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy 61 IQKYPICYQLPSFYNSSGGEVNEQALKILSNVKNVGVGWYKFRRHSDQIMTFRERLLHKQ 120
Dd ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy 121 LQEHFSNQDLVFLLLTPSIITESCSTRLEHSLYKPKQGLFHRVPLVVANLGMSEQLGYK 180
Dd ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy 121 LQEHFSNQDLVFLLLTPSIITESCSTRLEHSLYKPKQGLFHRVPLVVANLGMSEQLGYK 180
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Qy 181 TVSGSCWSTGFSRAVQTHSSKFFEDGSLKEVHKINEMYASLQEBELKSICKKVEDSEQAV 240
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Qy 241 DKLVKDVNRLKREIEKRRGAQIQAAPEKNIQKDPQENIFLCQALRTFFPNSEFLHSCVMS 300
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Qy 361 RLDDTDQKRKSKANTGSSNQDKASKMSSPETDEEIEKMGFGEYSRSPTF 409
Dd ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
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RESULT 7

US-09-997-514-158
; Sequence 158, Application US/09997514
; Patent No. 7019116
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
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; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel

;
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730P1C46
; CURRENT APPLICATION NUMBER: US/09/997,514
; PRIOR APPLICATION NUMBER: 2001-11-15
; PRIOR FILING DATE: 1997-06-16
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; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090676
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; PRIOR FILING DATE: 1998-06-25
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; PRIOR FILING DATE: 1998-06-25
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; PRIOR APPLICATION NUMBER: 60/090862
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; PRIOR APPLICATION NUMBER: 60/090863
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/091360
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091478
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091544
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091519
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091626
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 2109; DB 3; Length 409;

Best Local Similarity 100.0%; Pred. No. 3.4e-187;

Matches 409; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MEGESTSAVLSGFVLGALAFQHLNTSDTEGFLGGEVKGAKNSITDSQMDDEVVYTTID 60
Db 1 MEGESTSAVLSGFVLGALAFQHLNTSDTEGFLGGEVKGAKNSITDSQMDDEVVYTTID 60
Qy 61 IQYIPCYQLFSFYNSSGEVNEQALKKILSNVKKNVGVWYKFRHRHSDQIMTFRERLLHKN 120
Db 61 IQYIPCYQLFSFYNSSGEVNEQALKKILSNVKKNVGVWYKFRHRHSDQIMTFRERLLHKN 120
Qy 121 LQEHFSNQDLVFLLLTPSIITESCSTHRLHSLYKPKQGLFHRVPLVAVNLGMSEQLGYK 180
Db 121 LQEHFSNQDLVFLLLTPSIITESCSTHRLHSLYKPKQGLFHRVPLVAVNLGMSEQLGYK 180
Qy 181 TVSGSCMSTGFSRAVQTHSSKFFFEEDGSLKEVHKINEMYASLQEEELKSICKKVEDSEQAV 240
Db 181 TVSGSCMSTGFSRAVQTHSSKFFFEEDGSLKEVHKINEMYASLQEEELKSICKKVEDSEQAV 240
Qy 241 DKLVDVNRLLKREIEKRRGAQIQAAAREKNIQKDPQENIFLCQALRTFFPNSEFLHSCVMS 300
Db 241 DKLVDVNRLLKREIEKRRGAQIQAAAREKNIQKDPQENIFLCQALRTFFPNSEFLHSCVMS 300
Qy 301 LKNRHVSKSSCNYNHLDVVDNLTLMVEHTDIPEASPASTPQIIKHKALDLDLDRWQFKRS 360
Db 301 LKNRHVSKSSCNYNHLDVVDNLTLMVEHTDIPEASPASTPQIIKHKALDLDLDRWQFKRS 360
Qy 361 RLDTQDKRSKANTGSSNODKASKMSSPETDEEIEKMGFGYRSPTF 409
Db 361 RLDTQDKRSKANTGSSNODKASKMSSPETDEEIEKMGFGYRSPTF 409

RESULT 8

US-09-989-728-158
; Sequence 158, Application US/09989728
; Patent No. 7029873
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David

APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary B.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2730P1C72
CURRENT APPLICATION NUMBER: US/09/989,728
CURRENT FILING DATE: 2001-11-20
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
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PRIOR FILING DATE: 1998-02-25
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PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/087106
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PRIOR FILING DATE: 1998-06-02
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; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091478
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091544
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091519
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091626
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 2109; DB 3; Length 409;
Best Local Similarity 100.0%; Pred. No. 3.4e-187;
Matches 409; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MEGESTSAVLGSGFVLGALAFQHLNTSDTEGFLGGEVKEAKNSITDSQMDDVEVVYTI 60
Db 1 MEGESTSAVLGSGFVLGALAFQHLNTSDTEGFLGGEVKEAKNSITDSQMDDVEVVYTI 60

QY 61 IQKYPICYQLFSFYNSSGGEVNEQALKILSNVKNVGVWYKFRRHSDQIMTFRERLLHKN 120
Db 61 IQKYPICYQLFSFYNSSGGEVNEQALKILSNVKNVGVWYKFRRHSDQIMTFRERLLHKN 120

QY 121 LOEHFSNQDLVFLLLTPSIITESCSTHRLEHSLYKPKGLFHRVPLVVANLGMSEQLGYK 180
Db 121 LOEHFSNQDLVFLLLTPSIITESCSTHRLEHSLYKPKGLFHRVPLVVANLGMSEQLGYK 180

QY 181 TVSGSCMSTGFSRAVQTHSSKFEEGSLKEVHKINEMVASLOEELKSICKKVEDSEQAV 240
Db 181 TVSGSCMSTGFSRAVQTHSSKFEEGSLKEVHKINEMVASLOEELKSICKKVEDSEQAV 240

QY 241 DKLVKDWNRLKREIEKRRGAQIQAAAREKNIQOPQENIFLQALRTFFPNSEFLHSCVMS 300
Db 241 DKLVKDWNRLKREIEKRRGAQIQAAAREKNIQOPQENIFLQALRTFFPNSEFLHSCVMS 300

QY 301 LKNRHVSKSSCNYNHHLDVVNDLTLMVEHTDIPEASPASTQIHKKALDLDLDRWQFKRS 360
Db 301 LKNRHVSKSSCNYNHHLDVVNDLTLMVEHTDIPEASPASTQIHKKALDLDLDRWQFKRS 360

QY 361 RLIDTQDKRSKANTGSSNQDKASKMSSPETDEEIEKMGFGGEYSRSPTE 409
Db 361 RLIDTQDKRSKANTGSSNQDKASKMSSPETDEEIEKMGFGGEYSRSPTE 409

RESULT 9
US-09-997-349-158
; Sequence 158, Application US/09997349
; Patent No. 7034106
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C37
; CURRENT APPLICATION NUMBER: US/09/997,349
; CURRENT FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
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; PRIOR FILING DATE: 1998-06-04

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; PRIOR APPLICATION NUMBER: 60/088025
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; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091478
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091544
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091519
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; PRIOR FILING DATE: 1998-07-02
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; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 2109; DB 3; Length 409;
Best Local Similarity 100.0%; Pred. No. 3.4e-187;
Matches 409; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MEGESTSAVLSGFLGALAFQHLNTSDTEGFLLGVEKGNKSITDSQMDDEVVYTTID 60
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Db 1 MEGESTSAVLSGFLGALAFQHLNTSDTEGFLLGVEKGNKSITDSQMDDEVVYTTID 60
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Db 61 IQKYIPCYQLFSFYNSSGEVNEQALKKILSNVKNVGVWGYKFRHSDQIMTFRERLLHKN 120
QY 121 LQEHFNSQDLVFLLLTPSIITESCSTHRLHSLYKPKQGLFHRVPLVVANLGMSEQLGYK 180
Db 121 LQEHFNSQDLVFLLLTPSIITESCSTHRLHSLYKPKQGLFHRVPLVVANLGMSEQLGYK 180
QY 181 TVSGSCMSTGFSRAVQTHSSKFFEDGSLKEVHKINEMYASLQBELKSICKKVEDSEQAV 240
Db 181 TVSGSCMSTGFSRAVQTHSSKFFEDGSLKEVHKINEMYASLQBELKSICKKVEDSEQAV 240
QY 241 DKLVKDVNRLKREIEKRRGAQIQAREKNIQKQPQENIFLCOALRTFFPNSEFLHSCVMS 300
Db 241 DKLVKDVNRLKREIEKRRGAQIQAREKNIQKQPQENIFLCOALRTFFPNSEFLHSCVMS 300
QY 301 LKNRHVSKSSCNYNHLDVVDNLTLMVEHTDIPEASPASTPQIKHKALDLDLDRWQFKRS 360
Db 301 LKNRHVSKSSCNYNHLDVVDNLTLMVEHTDIPEASPASTPQIKHKALDLDLDRWQFKRS 360
QY 361 RLIDTQDKRSKANTGSSNQDKASKMSSPETDEEIEKMGFGEYSRSPTE 409
Db 361 RLIDTQDKRSKANTGSSNQDKASKMSSPETDEEIEKMGFGEYSRSPTE 409

RESULT 10

US-09-997-653-158 ; Sequence 158, Application US/09997653
; Patent No. 7034122
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
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; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730P1C38
; CURRENT APPLICATION NUMBER: US/09/997,653
; CURRENT FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
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; PRIOR FILING DATE: 1997-11-24
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; PRIOR FILING DATE: 1998-02-25
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; PRIOR FILING DATE: 1998-03-20
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; PRIOR APPLICATION NUMBER: 60/091633
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; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 2109; DB 3; Length 409;
Best Local Similarity 100.0%; Pred. No. 3.4e-187;
Matches 409; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MEGESTSAVLSCFVLGALAFQHLNTDSDTEGFLLGGEVKGEAKNSITDSQMDDEVVYVYIID 60
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RESULT 11

US-09-989-293A-158
; Sequence 158, Application US/09989293A
; Patent No. 7034136
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

;
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C66
; CURRENT APPLICATION NUMBER: US/09/989,293A
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
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; PRIOR FILING DATE: 1998-07-09

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Qy 301 LKNRHVSKSCNYYNHLDVVDNLTLMVEHTDIPEASPASTPQIIKHKALDLDLDRWQFKRS 360
Db 301 LKNRHVSKSCNYYNHLDVVDNLTLMVEHTDIPEASPASTPQIIKHKALDLDLDRWQFKRS 360

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Db 361 RLLEDQDKRSKANTGSSNQDKASKMSSPETDEIEKMKGFGEYSRSPTF 409

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; Sequence 3917, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET 054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335

; SOFTWARE: Patent.pm
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; LENGTH: 151
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SIGNAL
; LOCATION: -19...-1
US-09-621-976-3917

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RESULT 13
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; Sequence 20284, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Keith Weinstock et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICA
; TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.132
; CURRENT APPLICATION NUMBER: US/09/248,796A
; CURRENT FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 20284
; LENGTH: 1078
; TYPE: PRT
; ORGANISM: Candida albicans
US-09-248-796A-20284

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Qy 148 RLEHSLYKPKQGLFHRVPLVVANLGMSEQLGYKTVSGSCMSTGFSRAVQTHSSKFFFEEDG 207
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GenCore version 5.1.9
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Perfect score: 2109
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Total number of hits satisfying chosen parameters: 2097797

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Listing first 1500 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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852	113	5.4	2789	4	US-10-408-765A-2228	Sequence 2228, Ap	925	109.5	5.2	1170	4	US-10-369-493-3006	Sequence 3006, Ap
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856	112.5	5.3	879	4	US-10-108-605-217	Sequence 217, App	929	109	5.2	523	4	US-10-425-114-57880	Sequence 57880, A
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